

ALBERTA

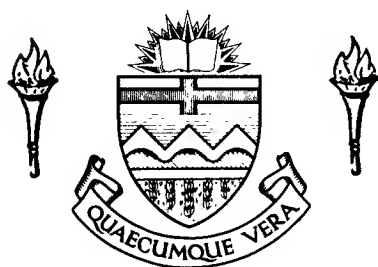
MINES  
BRANCH

REPORTS

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ANNUAL REPORT  
OF  
THE MINES BRANCH  
OF THE  
PROVINCE OF ALBERTA  
1929



EDMONTON:  
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Edmonton, February 27th, 1930.

TO THE HON. J. E. BROWNLEE,  
*President of the Executive Council.*

SIR:

I herewith submit the report of The Mines Branch for the year ending December 31, 1929.

Respectfully submitted,  
A. A. MILLAR,  
*Chief Inspector of Mines.*

22268.07



## ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31, 1929.

(ANDREW A. MILLAR, *Chief Inspector.*)

There were produced during the year a total of 7,147,250 tons of coal with a value of \$22,491,061.00. Of this output 1,446,555 tons were sold for consumption in the Province of Alberta, 2,336,068 tons in other Provinces in Canada, 51,625 tons for consumption in the United States, 2,923,827 tons were sold to railroad companies, 26,180 tons were used in making briquettes, 243,647 tons were used under colliery boilers, 7,315 tons were used by colliery locomotives, 58,991 tons were put to stock, and 111,145 tons were put on the waste heap. In addition to the coal mined, there were 77,197 tons of shale mined, from which 26,077,733 bricks were manufactured. It will be noted that while there is a reduction in output from that produced in 1928, it was the second largest output that has been produced in the Province.

There were in operation during the year, 1 shale mine and 2 open pits producing shale for brick-making; also 300 coal mines, of the latter 28 were opened, 25 re-opened and 18 abandoned. In addition to the mines abandoned there were 37 closed temporarily, leaving 248 mines in operation at December 31, 1929.

There were no changes in the staff of Inspectors during the year.

Examinations for certificates of competency as coal miners have been conducted by the inspectors at various centres throughout the Province, there having been 1,373 certificates issued during the year, making a total of 11,319 certificates issued to December 31, 1929.

Samples of mine air have been taken at intervals by the inspectors from mines in the bituminous areas in addition to tests made by Burrell gas detectors. These samples were forwarded to the Chemistry Branch of the Department of Mines, Ottawa, for analysis. In all bituminous mines that are dry and dusty, rock-dusting with crushed limestone has been continuously carried on. Samples of rock dust used have been collected and forwarded to the Provincial Analyst and tested for silica content.

Several samples of coal have been collected and forwarded to the Scientific and Industrial Research Council at the University of Alberta for analysis.

In accordance with the provisions of Regulation 20 (a) approval was given, under Order No. 33, for the use of Polar Monobel No. 12, as a permitted explosive in the mines of the Province, also approval of the Edison shot-firing attachment, to be used in connection with M 14 Standard mine lamp battery, was given.

All serious and fatal accidents have been investigated and all inquests attended, in addition to the regular inspections at the various mines.

There were 43 prosecutions instituted for contraventions of the provisions of The Mines Act, all of which were successful.

The use of purchased electric power by the mines in the Province is still increasing, there having been 23,510,529 k.w. hours purchased as against 22,416,009 in 1928.

The distribution of the purchased power was as follows: Camrose area, 3,870 k.w. hours purchased from the town of Camrose; Crow's Nest area 17,078,908 k.w. hours, purchased from the East Kootenay Power Co., Ltd., which power is produced and furnished from its hydro-electric plant at Bull River, B.C.

In the Drumheller area there were 4,524,455 k.w. hours used, this power being purchased from the Union Power Co., Ltd., and supplied from its plant located in Drumheller, which plant also supplied 205,280 k.w. hours to mines in the Carbon area, and 6,400 k.w. hours to the mines in the Big Valley area. In the Edmonton area there were used 971,893 k.w. hours purchased from the City of Edmonton. There were supplied by the City of Lethbridge plant, 610,223 k.w. hours to mines in the Lethbridge area and 1,500 k.w. hours to mines in the Taber area. In the Redcliff area 108,000 k.w. hours were purchased from the City of Medicine Hat.

There were 11,520 persons employed during the month of December, 1929, which was an increase of 47 from the number employed during the same month of 1928.

# ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1928:

Calendar Year	Short tons	Value
1886 .....	43,220	\$ 81,112
1887 .....	74,152	157,577
1888 .....	115,124	183,354
1889 .....	97,364	179,640
1890 .....	128,753	198,298
1891 .....	174,131	437,243
1892 .....	178,970	460,605
1893 .....	230,070	586,260
1894 .....	184,940	473,827
1895 .....	169,885	382,526
1896 .....	209,162	581,832
1897 .....	242,163	630,408
1898 .....	315,088	787,720
1899 .....	309,600	774,000
1900 .....	311,450	778,625
1901 .....	340,275	850,687
1902 .....	403,819	960,601
1903 .....	495,893	1,117,541
1904 .....	661,732	1,404,524
1905 .....	931,917	1,993,915
1906 .....	1,246,360	2,614,762
1907 .....	1,591,579	3,836,286
1908 .....	1,685,661	4,127,311
1909 .....	1,994,741	4,838,109
1910 .....	2,894,469	7,065,736
1911 .....	1,511,036	3,979,264
1912 .....	3,240,577	8,113,525
1913 .....	4,014,755	10,418,941
1914 .....	3,683,015	9,350,392
1915 .....	3,360,818	8,283,079
1916 .....	4,559,054	11,386,577
1917 .....	4,736,368	14,153,685
1918 .....	5,972,816	20,537,287
1919 .....	4,933,660	18,205,205
1920 .....	6,907,765	30,186,933
1921 .....	5,909,217	27,246,514
1922 .....	5,990,911	24,351,913
1923 .....	6,854,397	28,018,303
1924 .....	5,189,729	18,884,318
1925 .....	5,869,031	20,021,484
1926 .....	6,503,705	20,886,103
1927 .....	6,934,162	21,982,058
1928 .....	7,336,330	23,532,414
Total.....	108,536,864	\$355,040,494

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919 to 1928, the mine output figures are given.

## THE MINES BRANCH

## ANNUAL CONSUMPTION OF COAL IN THE DOMINION OF CANADA, 1903 TO 1928.

The following table is taken from the report issued by the Dominion Bureau of Statistics for the year 1928:

Calendar Year	Canadian*		Imported Coal Entered for Consumption				Total	Per Capita		
	Short tons	%	From U.S.A.		From Great Britain					
			Short tons	%	Short tons	%	Short tons	%		
1903	6,005,735	52.2					5,491,870	47.8	11,497,605	2,005
1904	6,637,183	49.2					6,909,651	50.8	13,606,384	2,346
1905	7,032,661	48.9					7,343,880	51.1	14,376,541	2,362
1906	7,927,660	51.7					7,398,906	48.3	15,326,466	2,425
1907	8,617,352	45.0					10,549,503	55.0	19,166,866	2,947
1908	9,156,478	47.3					10,185,424	52.7	19,351,902	2,947
1909	8,913,376	47.9					10,195,424	52.1	18,625,202	2,682
1910	10,532,103	50.2					9,711,826	52.1	20,970,226	2,960
1911	9,822,749	40.5					10,438,123	49.8	20,970,226	2,960
1912	12,385,696	46.0					14,424,949	59.5	24,247,698	3,365
1913	13,450,158	42.6					14,549,104	54.0	26,934,300	3,657
1914	12,214,403	45.5					18,132,387	57.4	31,582,545	4,196
1915	11,500,480	48.1					14,637,920	54.5	26,852,323	3,490
1916	12,348,036	41.3					12,406,212	51.9	23,906,592	3,041
1917	12,313,603	37.2					17,517,820	58.7	29,865,856	3,717
1918	13,160,731	37.8					20,810,132	62.8	33,123,785	4,049
1919	11,611,168	40.3					21,611,101	62.2	34,771,332	4,175
1920	14,025,566	42.9	17,292,913	59.8	344		17,236,269†	59.7	23,847,437	3,402
1921	12,715,734	41.1	18,752,918	57.2	.....		18,668,741†	57.1	32,694,307	3,788
1922	13,044,352	50.2	18,300,081	59.0	1,591		18,258,387†	58.9	30,974,121	3,624
1923	12,529,358	41.8	12,255,555	47.0	765,980	3.0	12,962,189†	49.8	26,006,541	2,909
1924	15,070,962	41.8	20,417,239	56.7	572,570	1.5	20,967,971†	58.2	36,038,333	3,968
1925	15,239,358	42.8	16,405,344	56.1	317,112	1.1	16,714,143†	57.2	29,243,561	3,170
1926	12,125,290	42.6	15,744,957	55.3	604,117	2.1	16,331,971†	57.4	23,457,261	3,039
1927	15,443,831	48.3	16,204,405	50.6	287,299	0.9	16,565,565†	51.7	32,015,386	3,329
1928	16,318,531	46.6	17,762,963	50.8	307,220	2.6	18,680,832†	53.4	34,994,363	3,676
1929	16,700,352	49.3	16,515,149	48.7	682,755	2.0	17,200,043†	50.7	33,900,395	3,510

\*The sum of Canadian coal mine sales, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States.

Quantity of coal in tons, entered for consumption for each year since 1919 through ports in the Provinces of Manitoba, Saskatchewan, Ontario, British Columbia and Alberta.

## BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,461,237	571,873	111,937	1,391,709	12,336,903	43,547	1,535	607	13,128	15,902,632
1921	8,605,872	639,763	127,356	1,316,155	10,709,246	76,838	2,127	1,820	17,081	13,536,250
1922	7,424,171	445,019	68,082	1,517,250	9,454,522	73,848	1,434	1,147	13,966	11,563,487
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,154	2,667	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,738,548	113,607	2,732	1,209	26,049	12,619,082
1925	9,100,462	286,984	81,173	497,254	9,884,710	147,758	1,732	1,175	30,286	13,015,323
1926	10,531,095	199,908	83,182	965,105	11,696,108	149,374	1,837	1,515	32,392	13,786,644
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648(a)	15,778,560(b)
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	15,682(a)	13,966,133(b)

## ANTHRACITE COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Total Canada
1919	2,977,913	119,234	559	346,442	3,444,148	12,906	.....	66	136	4,972,283
1920	2,943,134	69,206	2,618	296,476	3,241,464	17,509	206	517	75	4,912,984
1921	2,803,189	92,782	198	198,108	3,070,217	33,473	284	66	251	4,567,370
1922	1,586,924	21,507	12	36,038	1,644,461	14,715	231	.....	1,261	2,693,957
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291	.....	1,774	5,167,881
1924	2,599,568	4,775	237	84,513	2,689,093	34,222	1,720	.....	687	4,183,594
1925	2,203,281	37	170	50,731	2,254,049	34,386	702	30	246	3,798,744
1926	2,458,674	.....	56	60,810	2,519,494	17,390	484	.....	5,202	4,242,932
1927	2,123,515	.....	51	79,293	2,202,849	15,855	481	.....	3,512	4,063,566(x)
1928	2,179,022	.....	42	57,494	2,236,558	10,130	579	.....	2,241	3,737,333(c)

NOTE: Besides the anthracite and bituminous coal imported, there were 2,331 tons of lignite coal imported into British Columbia from the United States during 1923.

During 1924 there were 139 tons of lignite coal imported from the United States into Saskatchewan and 25,763 tons imported from the United States into British Columbia, making a total of 25,902 tons of lignite coal imported into Canada from the United States.

(a) During 1926 British Columbia imported 10,965 tons of lignite coal from the United States.

May, 1 ton in June, 30 tons in July and 6 tons in October during 1928.

(b) Includes 140,309 tons bituminous coal from Great Britain, also 323 tons of bituminous coal from Japan during 1927, and 144,145 tons of bituminous coal from Great Britain and 2 tons of bituminous coal from Newfoundland during 1928.

(x) Includes 738,235 tons of anthracite coal imported from Great Britain, also 5,155 tons of anthracite coal from the Netherlands, 4,818 tons of anthracite coal from Germany during 1927.

(c) Includes 40 tons bituminous coal imported into the Yukon Territory during 1928.

During 1927 British Columbia also imported 10,829 tons of lignite coal from the United States.

(c) Includes 526,467 tons anthracite coal imported from Great Britain, 1,102 tons from the Netherlands, 328 tons from British South Africa, 1 ton from Belgium and 6,204 tons from Russia.

During 1928 there were 60 tons of lignite coal imported from the United States into Saskatchewan and 10,754 tons were imported from the United States into British Columbia, making a total of 10,814 tons of lignite coal imported into Canada from the United States.

The above tables have been revised on information received from the Dominion Bureau of Statistics, Ottawa.

## THE MINES BRANCH

Quantity of coke imported into Canada during the years 1927, 1928 and 1929 through ports in the Provinces, compiled from information received from the Dominion Bureau of Statistics:

Province	1927	1928	1929
Prince Edward Island .....	54	24	18
Nova Scotia .....	5,817	12,156	22,884
New Brunswick .....	1,338	1,437	1,760
Quebec .....	97,859	115,347	54,760
*Ontario—Central .....	649,165	912,794	1,045,554
Head of Lakes .....			78,207
Manitoba .....	16,055	15,359	21,012
Saskatchewan .....	.....	20	45
Alberta .....	.....	.....	20
British Columbia .....	1,947	1,744	2,593
Total.....	772,235	1,058,881	1,226,853

\*Previous to 1929 only the total figures for Ontario were obtainable.



Tons of Coal entered for consumption for each month during the year 1929, through ports in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and Ontario, compiled from information received from the Dominion Bureau of Statistics:

## BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January .....	756,184	122	8,174	5,000	769,480	9,228	74	.....	1,231	10,533	839,711
February .....	670,300	99	4,481	.....	674,880	1,909	110	82	728	2,829	716,470
March .....	840,808	.....	9,628	.....	850,436	2,344	352	179	902	3,777	920,240
April .....	525,870	.....	6,258	16,449	548,577	2,288	270	69	607	3,234	594,086
May .....	906,598	6,493	5,449	184,539	1,103,079	2,563	246	249	4,052	7,110	1,272,999
June .....	1,033,145	2,611	5,628	228,208	1,269,592	1,760	151	123	1,371	3,405	1,444,432
July .....	1,201,199	30,670	9,537	331,901	1,573,307	4,835	454	114	1,192	6,595	1,742,925
August .....	1,105,610	56,277	5,568	206,130	1,373,585	1,469	391	188	2,360	4,408	1,533,898
September .....	1,045,757	36,477	5,375	223,026	1,340,685	2,074	141	123	1,121	3,459	1,513,370
October .....	1,175,730	6,369	20,104	229,666	1,431,869	2,250	170	115	2,128	4,663	1,618,797
November .....	1,129,673	4,729	11,341	135,157	1,280,900	2,483	45	18	713	3,289	1,466,377
December .....	841,153	42	8,598	1,580	851,373	5,598	73	37	2,121	7,829	919,770
Total .....	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,477	1,327	18,526(a)	61,131	14,585,275(b)

(a) Includes 11 tons imported in February, 50 tons in July and 6 tons in August into the Yukon Territory.

(b) Includes 115,368 tons of bituminous coal from Great Britain; also 76 tons of bituminous coal from Newfoundland.

During 1929 there were 1,896 tons of lignite coal imported from the United States into Manitoba, 41 tons were imported from the United States into Saskatchewan, also 12,171 tons from the United States into British Columbia, making a total of 14,108 tons of lignite coal imported into Canada from the United States.

## THE MINES BRANCH

## ANTHRACITE COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	197,933	.....	37	.....	197,970	918	26	.....	.....	944	276,726
February	236,397	.....	40	.....	236,437	1,081	.....	.....	.....	1,081	316,356
March	198,939	.....	40	.....	198,979	583	.....	.....	.....	583	268,642
April	95,684	.....	.....	.....	95,684	141	.....	.....	484	625	139,503
May	165,206	.....	.....	.....	165,206	322	.....	.....	.....	322	294,264
June	162,532	.....	.....	10,316	172,848	226	.....	.....	.....	226	309,816
July	119,181	.....	.....	12,184	131,717	453	.....	.....	.....	454	280,346
August	131,440	.....	34	6,912	138,386	80	.....	.....	1	80	349,156
September	191,467	.....	.....	9,248	200,715	1,223	.....	.....	.....	1,223	427,909
October	310,056	.....	.....	4,992	315,048	1,677	281	.....	112	2,070	546,895
November	214,036	.....	115	5,693	219,844	1,182	35	.....	.....	1,217	480,483
December	223,192	.....	37	3,024	226,253	1,294	23	.....	.....	1,317	379,821
Total	2,246,063	352	303	52,369	2,299,087	9,180	365	.....	597	10,142	4,019,917(c)

(c) Includes 729,458 tons of anthracite imported from Great Britain, 117,404 tons from Russia, and 112 tons from Japan.

## TOTAL IMPORTATIONS, 1929

	Bituminous Coal	Anthracite Coal	100,141	143,889	1,591,656	13,067,713	38,801	2,477	1,327	18,526(d)	61,131	14,585,275(d)
	11,232,027	2,246,063	303	352	52,369	2,299,087	9,180	365	.....	597	10,142	4,019,917
Total	13,478,090	144,241	100,444	144,241	1,644,025	15,366,800	47,981	2,842	1,327	19,123	71,273	18,605,192

(d) Includes 67 tons of bituminous coal imported into the Yukon Territory.

## MINERAL PRODUCTION OF ALBERTA, 1928 AND 1929

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada.

	1928		*1929	
	Quantity	Value	Quantity	Value
Gold, fine ounces .....	68	\$ 1,406	5	\$ 103
Silver, fine ounces .....	7	4	.....	.....
Bituminous sands, tons..	94	374	1,036	4,144
Coal, tons .....	7,336,330	23,532,414	7,150,633	22,896,024
Natural gas, M. cu. ft...	14,288,605	3,754,466	18,845,900	4,583,117
Petroleum, brls. ....	482,047	1,764,172	992,000	3,476,620
Salt, tons .....	.....	.....	.....	.....
Clay products and other structural materials:				
Cement, brls. ....	834,067	1,732,582	808,796	1,770,786
Clay products .....	.....	1,162,264	.....	1,356,755
Lime, tons .....	6,672	69,588	7,627	79,138
Sand and gravel, tons	2,575,708	498,406	2,521,282	460,895
Stone, tons .....	5,010	24,740	5,183	24,546
<b>Total.....</b>	.....	<b>\$32,531,416</b>	.....	<b>\$34,652,128</b>

\*Subject to revision.

Particulars with reference to the Coal Mining Industry in the Province of Alberta during the year ending December 31, 1929:

## SUMMARY OF STATISTICS

Number of short tons of coal produced .....	7,147,250
Number of short tons of Briquettes produced.....	28,167
Number of short tons of Coke produced.....	.....
Number of short tons of shale produced .....	77,197
Number of Bricks sold .....	26,077,733
Number of Coal Mines in operation during the year.....	300
Number of Shale mines in operation during the year.....	1
Number of Shale pits in operation during the year .....	2
Number of mines opened during the year .....	28
Number of mines re-opened during the year .....	25
Number of mines abandoned during the year .....	18
Number of mines closed but not abandoned .....	37
Number of mines in operation at December 31st, 1929.....	248
164 mines or 54.67% of the total operating produced .73% of the output.	
54 mines or 18% of the total operating produced 1.68% of the output.	
14 mines or 4.67% of the total operating produced 1.40% of the output.	
30 mines or 10% of the total operating produced 9.05% of the output.	
14 mines or 4.67% of the total operating produced 13.83% of the output.	
12 mines or 4% of the total operating produced 22.34% of the output.	
8 miles or 2.66% of the total operating produced 30.07% of the output.	
3 mines or 1% of the total operating produced 13.92% of the output.	
1 mine or .33% of the total operating produced 6.98% of the output.	
Average number of persons employed below ground .....	7,115
Average number of persons employed above ground .....	2,457
Number of separate accidents causing loss of life .....	30
Number of deaths caused by accidents above ground .....	3
Number of deaths caused by accidents below ground .....	28
Number of serious accidents above ground .....	6
Number of serious accidents below ground .....	63
Number of slight accidents above ground .....	13
Number of slight accidents below ground .....	85
Number of persons prosecuted under The Mines Act.....	43
Number of provisional certificates (overmen) issued in 1929....	191
Number of Certificates of Competency as Coal Miners issued in 1929 .....	1,373
Number of Third Class Certificates issued in 1929.....	51
Number of Second Class Certificates issued in 1929 .....	5
Number of First Class Certificates issued in 1929 .....	1
Number of Mine Surveyors' Certificates issued in 1929 .....	1
Total number of Third Class Certificates issued to Dec. 31, 1929 .....	1,045
Total number of Second Class Certificates issued to Dec. 31, 1929 .....	385
Total number of First Class Certificates issued to Dec. 31, 1929 .....	224
Total number of Mine Surveyors' Certificates issued to Dec. 31, 1929 .....	180
Total number of Interchange of First Class Certificates issued to Dec. 31, 1929 .....	4
Total number of Certificates of Competency as Coal Miners issued to Dec. 31, 1929 .....	11,319

In the following tables the short ton of 2,000 lbs. is used in all cases:

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons Alberta
1901 .....	346,649	.....
1902 .....	510,674	.....
1903 .....	622,939	.....
1904 .....	782,931	.....
1905 .....	.....	811,228
1906 .....	.....	1,385,000
1907 .....	.....	1,834,745
1908 .....	.....	1,845,000
1909 .....	.....	2,174,329
1910 .....	.....	3,036,757
1911 .....	.....	1,694,564
1912 .....	.....	3,446,349
1913 .....	.....	4,306,346
1914 .....	.....	3,821,739
1915 .....	.....	3,434,891
1916 .....	.....	4,638,604
1917 .....	.....	4,863,414
1918 .....	.....	6,148,620
1919 .....	.....	5,022,412
1920 .....	.....	6,908,923
1921 .....	.....	5,937,195
1922 .....	.....	5,976,432
1923 .....	.....	6,866,923
1924 .....	.....	5,203,713
1925 .....	.....	5,883,394
1926 .....	.....	6,508,908
1927 .....	.....	6,936,780
1928 .....	.....	7,334,179
1929 .....	.....	7,147,250

#### PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING 1929

Output of shale in tons of 2000 lbs. used for making bricks.....	77,197
Average number of days worked each month .....	25
Average number of men employed each month .....	103
Mine timber used (linear feet) .....	16,952
Explosives used—40% Dynamite (lbs.) .....	16,512
Number of shots fired—fuse .....	13,228

Bricks sold for use in:

Alberta .....	11,125,577
British Columbia .....	2,201,220
Saskatchewan .....	11,562,341
Manitoba .....	1,084,595
Ontario .....	91,000
United States .....	13,000

Total ..... 26,077,733

## THE MINES BRANCH

## CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1929 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-Bituminous	Bituminous	Anthracite	Coal used in coke production	Briquettes	Coke
*1901	.....	331,907	.....	.....	14,742	.....	.....	.....
*1902	.....	494,087	.....	.....	16,587	.....	.....	.....
*1903	.....	617,754	.....	.....	5,185	.....	.....	.....
*1904	.....	759,568	.....	.....	23,363	.....	.....	.....
*1905	.....	972,686	.....	.....	43,653	.....	.....	46,640
1906	602,780	.....	.....	546,623	235,597	71,292	.....	69,844
1907	639,335	.....	.....	939,295	256,115	103,930	49,585	73,782
1908	584,334	.....	.....	1,001,571	249,085	112,887	36,261	75,657
1909	763,673	.....	.....	1,197,399	213,287	128,397	89,785	87,812
1910	878,011	.....	.....	1,896,961	261,756	148,104	108,996	121,578
1911	964,700	.....	.....	1,649,745	80,119	196,249	.....	.....
1912	1,341,389	.....	.....	1,926,371	178,589	61,591	48,200	35,984
1913	1,763,253	.....	.....	2,374,401	168,720	170,818	90,000	105,684
1914	1,697,401	.....	.....	1,953,367	170,971	104,012	130,861	65,167
1915	1,852,922	.....	.....	1,625,237	125,732	44,249	109,082	29,058
1916	2,172,801	.....	.....	2,385,259	140,544	38,878	83,180	23,826
1917	2,637,829	.....	.....	2,206,868	118,717	67,105	107,959	41,950
1918	3,035,061	.....	.....	2,982,334	131,225	51,905	98,818	31,630
1919	2,611,009	.....	.....	2,325,787	85,616	53,462	100,470	32,858
1920	3,859,309	.....	.....	3,419,021	130,594	.....	101,693	.....
1921	2,943,141	.....	.....	2,897,380	96,674	.....	62,466	.....
1922	3,086,669	.....	635,073	2,214,273	40,417	.....	33,663	.....
1923	3,161,741	.....	459,869	3,245,313	107	.....	39,638	.....
1924	3,096,660	.....	585,765	1,521,288	.....	.....	791	.....
1925	3,156,359	.....	531,835	2,145,200	.....	.....	11,381	.....
1926	3,160,029	.....	490,371	2,888,508	.....	.....	20,640	.....
1927	3,357,171	.....	595,190	2,984,419	.....	287	24,768	173
1928	3,378,200	.....	740,498	3,215,481	.....	.....	.....	.....
1929	3,385,749	.....	668,108	3,093,393	.....	.....	.....	.....

\*Includes outputs from Alberta and Saskatchewan.

Previous to 1922 Sub-Bituminous was included in Bituminous Coal.

During the year 1909 a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1911 a strike affecting all the larger mines in the Province lasted for a period of eight months.

During the year 1917 a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1919 a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1922 a strike affecting all the larger mines in the Province lasted for a period of five months.

During the year 1924 a strike affecting all the larger mines in the Province lasted for a period of six and a half months.



## THE MINES BRANCH

How the total output of Coal from the Province was disposed of:

## DOMESTIC

Areas	SOLD FOR CONSUMPTION IN:						Used by R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including waste put to stock and lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States					
Ardley	2,756		150						14	300		3,344
Big Valley	4,580									42		4,622
Brooks	6,633											6,633
Camrose	34,314		6,054	414						59	366	41,107
Carbon	59,019	2,028	13,072	27,483	1,617		562	806	806	3,329	785	111,308
Castor	29,581		75					2	2	1,739		31,583
Champion	10,398									100		10,498
Drumheller	307,690	68,165	779,066	338,003	36,181	33	9,047	1,538,385	5,272	7,920	4,472	1,574,766
Edmonton	429,241	65	27,681	7,794	912		31	468,724	17	959	15	476,702
Gleichen	2,844							2,844				2,844
Halcourt	520							520				520
Lethbridge	227,606	45,650	338,839	31,929	4,132		15,084	663,240	15	18,197	28,794	731,149
Magrath	910							910				910
Milk River	790							790		39		829
Pakowki	1,624							1,624				1,624
Pembina	71,722	15,818	36,824	22,059	1,918		410	148,341	324	4,119	4,542	162,271
Redcliff	17,326	66	8,815	261				26,878	495			27,373
Sheerness	16,252		2,000					18,252		775		20,448
Taber	10,595	233	1,721	3,401	68		4,134	20,152		1,274	70	22,173
Tofield	47,463		78,376	26,180				152,019		40		155,059
Wetaskiwin	18							18				18
Total	1,281,882	132,025	1,292,673	457,524	44,828	33	29,268	3,238,233	1,323	34,910	39,034	3,385,749



## SUB-BITUMINOUS

	SOLD FOR CONSUMPTION IN:						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States									
Coalspur .....	30,867	50,120	32,337	72,484	7,251	165	297,152	490,376	20,984	4,867	.....	1,774	50,160	2,170	565,991
Pekisko .....	4,363	.....	.....	.....	.....	.....	.....	4,363	45	.....	.....	10	75	.....	4,493
Pincher .....	1,631	49	.....	.....	.....	.....	.....	1,736	28	.....	.....	83	35	57	1,823
Prairie Creek .....	1,230	1,170	342	312	37	56	.....	3,091	773	.....	.....	2,656	495	322	6,113
Saunders .....	15,688	1,072	42,128	19,698	3,219	.....	738	82,543	6,181	.....	.....	1,269	.....	905	89,088
Total.....	53,779	52,411	74,807	92,494	10,507	221	297,890	582,109	28,009	4,867	.....	5,812	50,765	3,454	668,108

## BITUMINOUS

	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock
Cascade .....	10,303	1,556	800	43	.....	.....	239,288	251,990	20,085	616	26,180	2,265	197	1,905	299,428
Crow's Nest .....	59,698	50,240	81,893	23,251	.....	22,136	1,233,516	1,484,734	41,313	509	.....	13,256	23,757	10,605	1,852,966
Mountain Park .....	3,231	608	5,040	13,355	.....	.....	302,210	962,484	30,920	.....	.....	585	.....	585	993,404
Nordegg .....	7,662	.....	.....	.....	.....	.....	230,863	238,625	9,357	.....	.....	2,163	.....	2,450	247,595
Total.....	110,894	52,404	87,733	38,629	.....	22,136	2,625,937	2,937,733	101,677	1,125	26,180	18,269	23,954	15,545	3,093,393





## THE MINES BRANCH

## SUB-BITUMINOUS COAL

Month	SOLD FOR CONSUMPTION IN:						Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Total output for Year including put to stock and waste but not lifted from stock	
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	United States								
January .....	5,854	6,141	9,341	13,887	1,968	.....	22,737	59,928	2,601	447	140	4,112	186	67,042
February .....	5,724	8,600	10,257	13,036	1,810	.....	32,766	72,193	2,851	568	408	4,017	40	79,997
March .....	1,450	2,380	1,067	3,638	344	56	31,521	40,446	2,266	470	170	4,341	177	47,516
April .....	1,292	1,977	837	4,44	65	.....	31,016	35,631	1,779	535	70	4,943	220	42,738
May .....	1,342	1,381	404	3,03	317	.....	33,503	37,250	2,011	535	306	5,459	370	45,191
June .....	4,406	1,251	1,268	2,62	627	.....	31,191	39,005	2,005	575	470	4,417	205	46,267
July .....	7,610	1,842	3,144	3,215	3,458	.....	29,989	49,268	2,098	650	1,142	5,260	48	58,370
August .....	6,547	3,254	8,519	9,539	1,061	.....	29,301	57,266	2,664	635	879	4,951	303	66,092
September .....	5,320	4,067	9,798	9,936	130	84	14,703	43,938	2,108	47	876	3,878	387	50,460
October .....	4,508	5,764	9,820	11,390	135	.....	15,333	46,950	2,336	140	935	4,283	499	54,145
November .....	5,026	7,567	10,747	14,260	110	81	15,414	53,203	2,493	40	150	4,485	774	59,599
December .....	4,700	8,177	9,615	12,584	1,537	.....	10,416	47,029	2,797	225	266	619	245	50,691
Total .....	53,779	52,411	74,807	92,494	10,507	221	297,890	582,109	28,009	4,867	5,812	50,765	3,454	668,108
Percentage of Total Sales .....	9.24	9.01	12.85	15.89	1.80	.03	51.18							

## BITUMINOUS COAL

Months	SOLD FOR CONSUMPTION IN:						Used under Colliery Boilers	Used by R.R. Colliery	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
January .....	9,916	5,174	12,037	5,145	.....	3,752	140,152	176,176	9,085	92	4,161	184	192,158
February .....	9,798	6,340	11,467	4,922	.....	4,084	180,713	217,324	9,060	93	3,442	776	232,854
March .....	8,927	5,740	4,949	6,729	.....	4,998	323,750	350,598	9,335	109	841	2,199	363,818
April .....	13,109	3,882	4,768	891	.....	1,291	362,401	386,042	9,096	119	1,021	1,712	402,253
May .....	6,753	3,975	6,318	1,850	.....	614	349,434	367,944	8,894	123	638	1,216	379,377
June .....	4,419	4,987	3,277	2,874	.....	984	312,113	323,654	8,224	124	1,897	1,373	340,099
July .....	7,119	3,804	3,151	1,024	.....	783	249,860	265,241	8,049	110	1,152	4,876	281,428
August .....	9,633	3,331	6,462	1,978	.....	951	190,850	213,205	7,923	85	2,336	954	222,547
September .....	7,611	2,408	7,540	873	.....	1,065	139,398	158,395	7,132	89	1,759	1,415	165,615
October .....	8,409	4,078	6,748	1,978	.....	1,127	123,137	145,477	6,998	50	2,717	317	156,278
November .....	14,057	4,831	10,837	3,650	.....	2,850	104,653	140,928	8,813	57	2,689	1,425	153,752
December .....	12,143	4,654	10,129	6,715	.....	4,137	149,476	187,254	9,018	74	3,527	1,520	203,214
Total .....	110,894	52,404	87,533	38,629	.....	22,136	2,625,937	2,937,733	101,677	1,125	26,180	18,269	3,093,393
Percentage of Total Sales.....	3.78	1.79	2.99	1.32	.....	.72	89.39	.....	.....	.....	.....	.....	.....

THE MINES BRANCH

Amount of COAL sold during the years 1915 to 1929 inclusive for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	To Railroads	Total
1915	2,129,120	54,860	695,898	64,816	.....	.....	25,047	.....	2,967,751
1916	2,866,670	86,413	1,007,765	97,265	.....	.....	61,092	.....	4,119,205
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	93,081	.....	4,372,634
1918	3,440,154	101,189	1,372,439	511,168	629	.....	133,276	.....	5,558,855
1919	2,991,110	95,461	1,115,329	314,290	308	.....	121,212	.....	4,637,710
1920	1,647,302	128,850	1,310,146	600,982	13,911	30	153,610	2,516,555	6,371,266
1921	1,415,361	116,989	1,294,441	495,388	9,898	.....	133,323	2,023,204	5,488,704
1922	1,443,542	107,920	1,371,249	520,518	21,573	102	105,514	2,076,291	5,647,109
1923	1,382,782	108,326	1,223,454	553,649	52,334	.....	83,557	3,110,121	6,514,219
1924	1,431,327	114,186	1,399,788	510,407	16,525	.....	39,142	1,613,574	4,914,949
1925	1,440,632	117,587	1,397,688	509,685	28,831	.....	40,507	2,139,716	5,573,431
1926	1,325,390	127,886	1,296,131	591,287	74,559	221	48,216	2,706,440	6,170,032
1927	1,508,089	187,028	1,427,904	612,542	22,630	.....	45,160	2,759,765	6,563,168
1928	1,409,475	262,198	1,511,141	605,125	52,285	.....	44,365	3,054,239	6,938,708
1929	1,446,555	236,340	1,456,213	588,647	55,335	33	51,825	2,923,327	6,758,075

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

Coal produced by years from 1925 to 1929 inclusive:

## DOMESTIC COAL FIELD

Areas	1925	1926	1927	1928	1929
Ardley .....	9,222	10,755	8,102	6,725	3,344
Big Valley .....	33,351	19,588	20,180	9,089	4,622
Brooks .....	6,049	4,011	4,001	5,666	6,633
Camrose .....	72,031	56,639	53,486	43,906	41,107
Carbon .....	149,832	97,274	91,271	110,286	111,308
Castor .....	37,463	33,627	36,483	34,100	31,583
Champion .....	10,473	8,189	8,054	8,755	10,498
Drumheller .....	1,109,273	1,385,423	1,460,656	1,487,483	1,574,766
Edmonton .....	558,710	459,036	513,256	452,671	476,702
Empress .....					
Gleichen .....	4,373	3,207	3,277	3,289	2,844
Halcourt .....	695	494	604	636	475
Lethbridge .....	669,119	658,882	695,139	795,855	731,149
Magrath .....	2,662	1,580	463	598	910
Milk River .....	3,303	2,899	2,087	1,104	829
Pakowki .....	2,655	2,410	1,801	1,917	1,735
Pembina .....	184,811	158,837	177,387	158,907	162,271
Redcliff .....	44,637	32,776	29,119	25,697	27,288
Sexsmith .....	53				
Sheerness .....	35,090	27,404	26,499	22,672	20,440
Steeville .....	525	349	123		
Taber .....	82,998	63,291	72,329	58,950	22,173
Tofield .....	138,268	132,879	152,375	149,012	155,059
Wainwright .....	35				18
Wetaskiwin .....	670	470	259	159	
Whitecourt .....	61	10	110	119	
No Area Assigned .....			111	605	
Total .....	3,156,359	3,160,029	3,357,171	3,378,200	3,385,749

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	488,403	402,259	504,987	645,370	565,991
Morley .....	151				
Pekisko .....	4,415	6,303	4,312	2,189	4,493
Pincher .....	2,097	2,734	2,173	3,213	1,823
Saunders .....	86,769	79,075	83,718	89,726	89,088
Prairie Creek .....					6,713
Total .....	581,835	490,371	595,190	740,498	668,108

## BITUMINOUS COAL FIELD

Brule .....	61,049	125,285	130,611	75,203	
Cascade .....	173,579	275,639	290,212	283,587	299,428
Crow's Nest .....	1,132,300	1,452,069	1,443,066	1,639,343	1,552,966
Mountain Park .....	561,428	806,500	883,913	975,584	993,404
Nordegg .....	216,844	199,015	236,617	241,764	247,595
Total .....	2,145,200	2,858,508	2,984,419	3,215,481	3,093,393

Total amount of DOMESTIC COAL by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	1,293	333	105	8	.....	10	.....	.....	75	359	489	642	3,344
Big Valley .....	936	729	259	242	126	33	39	51	142	566	668	831	4,622
Brooks .....	471	402	280	187	192	190	.....	335	858	1,785	1,306	507	6,633
Camrose .....	5,865	5,098	2,420	2,092	1,264	1,685	1,033	2,468	3,617	5,225	5,066	5,244	41,107
Carbon .....	13,225	15,751	6,576	7,658	8,199	3,961	2,332	3,415	10,164	14,608	13,393	12,026	111,308
Castor .....	4,618	4,928	1,321	897	342	319	247	444	2,346	6,974	4,794	4,353	31,583
Champion .....	1,193	1,164	549	383	476	414	531	563	1,013	1,740	1,448	1,024	10,498
Drumheller .....	209,726	223,566	63,251	35,795	28,989	23,856	54,918	84,562	173,269	228,128	229,050	219,656	1,574,766
Edmonton .....	78,053	67,632	30,077	28,139	18,222	13,806	13,399	17,713	35,085	45,672	56,882	72,222	476,702
Gleichen .....	428	359	208	209	137	83	60	87	302	389	268	314	2,844
Halcourt .....	98	112	28	7	.....	.....	.....	15	30	20	65	100	475
Lethbridge .....	76,604	92,404	32,612	23,577	17,484	44,743	45,514	60,411	77,058	100,620	83,048	76,074	731,149
Magrath .....	208	128	.....	.....	.....	10	5	20	50	94	164	231	910
Milk River .....	107	130	77	84	61	79	12	14	70	24	137	34	829
Pakowki .....	128	176	107	29	21	20	13	38	241	505	265	192	1,735
Pembina .....	22,819	20,675	11,399	9,476	11,666	6,760	11,024	10,329	11,695	13,208	16,802	16,427	162,271
Redcliff .....	3,403	3,809	1,461	2,875	1,195	772	1,419	914	2,083	3,048	2,849	3,445	27,283
Sheerness .....	2,069	2,301	1,046	722	480	457	479	1,391	1,976	5,137	2,492	1,900	20,440
Taber .....	874	3,749	9,669	533	301	265	190	260	913	1,856	2,300	1,363	22,173
Tofield .....	13,747	12,608	7,947	9,499	9,972	10,643	11,145	10,356	12,319	23,021	19,471	14,331	155,059
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	15	18
Total .....	435,865	456,054	169,392	122,505	99,134	108,106	142,530	193,377	333,346	452,999	441,460	430,931	3,385,749

## SUB-BITUMINOUS COAL

Coalspur .....	56,087	69,309	45,589	41,474	43,921	43,544	52,941	56,154	36,766	40,234	44,253	35,719	565,991
Pekisko .....	370	254	276	174	204	317	533	532	742	245	366	480	4,493
Pincher .....	257	220	132	58	40	53	21	35	163	244	336	264	1,823
Saunders .....	10,328	10,214	1,519	847	700	1,573	4,132	8,691	12,279	13,214	13,382	12,209	89,088
Prairie Creek .....	.....	.....	.....	185	326	780	743	680	510	208	1,262	2,019	6,713
Total .....	67,042	79,997	47,516	42,738	45,191	46,267	58,370	66,092	50,460	54,145	59,599	50,691	668,108



## BITUMINOUS COAL

Cascade .....	25,942	20,890	26,542	30,810	31,066	31,883	29,622	27,963	26,905	17,029	13,104	17,672	299,428
Crow's Nest .....	87,801	111,992	215,517	247,648	225,228	192,032	127,904	78,636	72,401	45,154	53,583	91,570	1,552,966
Mountain Park .....	57,738	72,384	95,175	108,087	103,028	100,373	109,028	100,438	44,940	65,215	66,156	70,842	893,404
Nordegg .....	21,177	27,588	26,584	15,708	16,355	15,811	14,874	15,510	21,369	28,880	20,909	23,130	247,595
<b>Total.....</b>	<b>192,158</b>	<b>232,854</b>	<b>363,818</b>	<b>402,253</b>	<b>379,377</b>	<b>340,099</b>	<b>281,428</b>	<b>222,547</b>	<b>165,615</b>	<b>156,278</b>	<b>153,752</b>	<b>203,214</b>	<b>3,093,393</b>

## Total output of COAL AND BRIQUETTES during the year:

Coal .....	695,065	768,905	580,726	567,496	523,702	494,472	482,378	482,016	549,421	683,422	654,811	684,836	7,147,250
Briquettes .....	4,317	3,727	915	1,111	697	2,065	1,249	2,533	1,897	2,935	2,901	3,820	28,167

Total amount of Sub-Bituminous and Bituminous Coal sold to Railroad Companies, by areas during each month, for consumption by same:

## SUB-BITUMINOUS COAL

Coalspur .....	22,573	32,766	31,521	31,016	33,503	31,191	29,959	29,269	14,596	15,300	15,232	10,226	297,152
Saunders .....	164	.....	.....	.....	.....	.....	30	32	107	33	182	190	738
<b>Total.....</b>	<b>22,737</b>	<b>32,766</b>	<b>31,521</b>	<b>31,016</b>	<b>33,503</b>	<b>31,191</b>	<b>29,989</b>	<b>29,301</b>	<b>14,703</b>	<b>15,333</b>	<b>15,414</b>	<b>10,416</b>	<b>297,890</b>

## BITUMINOUS COAL

Cascade .....	17,903	14,570	23,158	26,659	28,091	27,742	25,921	22,578	22,594	11,695	7,286	11,091	239,288
Crow's Nest .....	50,563	75,403	191,285	223,135	208,834	175,301	105,544	61,123	57,018	27,136	20,832	56,342	1,253,516
Mountain Park .....	51,677	65,030	84,235	98,718	97,776	94,171	103,435	92,259	39,387	58,313	55,993	61,326	902,270
Nordegg .....	20,009	25,710	25,022	13,889	14,733	14,899	13,960	14,390	20,499	25,993	20,542	20,717	280,863
<b>Total.....</b>	<b>140,152</b>	<b>180,713</b>	<b>323,750</b>	<b>362,401</b>	<b>349,434</b>	<b>312,113</b>	<b>249,860</b>	<b>190,350</b>	<b>139,398</b>	<b>123,137</b>	<b>104,653</b>	<b>149,476</b>	<b>2,625,937</b>

<b>Total.....</b>	<b>162,889</b>	<b>213,479</b>	<b>355,271</b>	<b>393,417</b>	<b>382,937</b>	<b>343,304</b>	<b>279,849</b>	<b>220,151</b>	<b>154,101</b>	<b>138,470</b>	<b>120,067</b>	<b>159,892</b>	<b>2,923,827</b>
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## THE MINES BRANCH

Total amount of Domestic Coal disposed of as LUMP COAL by areas during each month for consumption in Alberta:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	505	50	8	8	.....	.....	.....	.....	34	.....	.....	.....	605
Big Valley .....	127	147	47	.....	.....	.....	.....	.....	40	.....	.....	.....	423
Brooks .....	471	402	280	137	192	190	220	335	538	1,785	1,206	507	6,633
Camrose .....	2,257	1,816	859	984	477	580	503	555	1,461	1,747	1,790	1,733	14,742
Carbon .....	3,543	3,994	1,596	768	530	540	429	923	2,411	3,961	3,565	3,618	25,378
Castor .....	1,321	1,122	281	169	83	62	8	22	394	948	733	1,182	6,316
Champion .....	685	643	281	278	298	261	325	360	592	866	868	601	6,058
Drumheller .....	24,025	24,282	6,739	6,332	5,111	3,611	5,233	10,109	18,059	22,739	17,624	22,775	166,599
Edmonton .....	32,819	27,162	6,956	6,252	2,190	2,066	1,254	3,228	11,336	16,380	21,449	26,842	157,934
Gleichen .....	359	301	161	176	116	73	57	81	285	334	226	263	2,432
Halcourt .....	89	100	23	.....	5	.....	.....	12	12	40	65	85	431
Lethbridge .....	17,326	15,710	7,085	8,276	8,908	7,445	6,220	8,093	9,785	13,995	15,129	15,328	134,200
Magrath .....	145	90	.....	.....	.....	10	5	15	104	49	104	106	564
Milk River .....	103	125	.....	80	58	77	10	12	67	21	133	32	790
Pakowki .....	21	56	72	23	17	16	9	21	80	162	88	72	615
Pembina .....	3,505	2,177	1,383	412	118	126	52	428	1,356	1,489	2,305	1,578	14,929
Redcliff .....	181	302	123	4	2	65	33	64	488	629	149	64	2,104
Sheerness .....	394	326	150	93	66	45	63	449	517	827	999	211	4,140
Taber .....	461	1,015	403	219	115	124	83	99	452	1,055	1,162	682	5,870
Tofield .....	1,374	1,272	521	238	183	188	183	213	364	2,699	1,948	1,533	10,716
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	11
Total .....	89,711	81,092	27,018	24,530	18,469	15,779	14,687	25,919	48,331	69,726	69,568	77,260	562,090



THE MINES BRANCH

Total amount of Domestic Coal disposed of as SLACK COAL by areas during each month for consumption in Alberta:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....	776	413	229	110	49	24	27	19	98	347	573	732	3,397
Carbon .....	1,267	870	535	1,352	1,266	269	491	399	772	750	382	263	8,616
Castor .....	26	22	50	12	12	.....	.....	5	41	5	4	6	171
Drumheller .....	12,132	13,677	3,484	4,156	2,416	2,132	3,555	5,155	6,630	6,566	12,731	13,204	85,888
Edmonton .....	16,767	15,743	5,835	5,188	3,304	2,132	1,860	2,830	8,204	9,503	11,602	14,170	97,158
Halcourt .....	9	12	5	2	2	.....	.....	3	3	10	15	30	89
Lethbridge .....	5,973	7,121	2,956	2,013	845	2,682	2,104	4,271	5,642	8,949	3,605	2,901	49,062
Magrath .....	.....	.....	.....	.....	.....	.....	.....	5	10	45	43	83	186
Patoka .....	5	9	4	6	4	4	4	5	12	24	13	10	100
Pemina .....	3,823	3,533	1,745	2,586	2,091	326	1,719	1,132	1,985	2,031	3,169	2,911	27,051
Redcliff .....	10	13	8	4	2	.....	.....	365	6	9	23	14	89
Sheerness .....	.....	32	27	10	.....	10	.....	.....	.....	.....	.....	.....	365
Tabor .....	25	180	166	191	164	165	161	163	231	6	9	82	205
Tofield .....	254	.....	.....	.....	.....	.....	.....	.....	.....	197	146	126	2,174
Total.....	41,067	41,625	15,044	15,628	10,143	7,844	9,921	14,352	23,638	28,442	32,315	34,532	274,551

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Coalspur .....	1,585	1,219	390	276	208	209	262	941	869	1,287	1,401	1,202	9,849
Pincher .....	99	87	61	.....	.....	.....	.....	.....	42	69	198	133	689
Saunders .....	1,174	1,118	167	195	166	73	301	867	1,584	1,339	952	989	8,925
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	58	.....	181	64	303
Total.....	2,858	2,424	618	471	374	282	563	1,808	2,553	2,695	2,732	2,388	19,766

## MINE RUN COAL

Coalspur .....	86	71	47	15	1,114	3,092	884	29	64	55	75	5,568
Fekisko .....	370	254	174	204	317	533	532	742	235	341	385	4,363
Pincher .....	4	4	.....	.....	.....	.....	.....	33	3	.....	.....	8
Prairie Creek .....	.....	.....	199	153	75	13	46	85	124	62	69	36
Saunders .....	98	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,034
Total.....	558	374	420	372	1,506	3,638	1,462	889	426	458	529	11,009

## NUT COAL

Coalspur .....	317	195	223	80	156	287	317	178	281	379	221	2,714
Pincher .....	75	36	38	40	53	21	35	80	104	98	57	688
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97	97
Saunders .....	769	894	.....	27	252	79	745	452	280	375	535	4,641
Total.....	1,161	1,125	291	147	461	387	1,097	710	665	852	910	8,140

## SLACK COAL

Coalspur .....	1,144	1,651	110	449	1,990	3,017	2,021	1,048	565	630	30	12,736
Pincher .....	28	35	.....	.....	.....	.....	.....	11	37	50	60	246
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	224	570	794
Saunders .....	105	115	.....	.....	167	5	159	109	120	80	204	1,088
Total.....	1,277	1,801	110	449	2,157	3,022	2,180	1,168	722	984	873	14,864

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	157	222	82	179	55	14	17	12	73	118	232	178	1,339
Crow's Nest .....	623	803	385	289	167	131	72	75	200	310	496	513	4,064
Mountain Park .....	115	166	91	102	61	41	35	59	91	77	109	149	1,096
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	895	1,191	558	570	283	186	124	146	364	505	837	840	6,499

MINE RUN COAL													
Cascade .....	599	573	438	696	657	446	496	830	608	854	231	266	6,694
Crow's Nest .....	4,383	3,301	3,599	3,908	2,405	1,250	1,139	2,282	2,711	2,728	3,946	4,077	35,729
Mountain Park .....	1,758	2,559	2,804	6,262	1,454	1,576	2,910	4,275	2,338	2,955	5,909	3,330	38,130
Nordegg .....	168	834	786	1,905	586	571	634	191	328	413	767	1,379	7,662
Total .....	6,908	7,267	7,627	11,871	5,102	3,843	5,179	7,578	5,955	6,950	10,853	9,052	88,215

NUT COAL													
Cascade .....	31	20	.....	8	8	.....	3	4	3	10	44	52	183
Crow's Nest .....	52	52	14	16	6	2	15	7	18	61	51	90	384
Mountain Park .....	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	.....	4
Total .....	83	72	14	24	14	2	20	11	23	71	95	142	571

## SLACK COAL

Cascade .....	226	228	188	232	48	143	184	98	94	184	232	230	2,087
Crow's Nest .....	1,804	1,040	540	412	306	244	1,612	1,800	1,145	699	2,040	1,879	13,521
Mountain Park .....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Total .....	2,030	1,268	728	644	354	388	1,796	1,898	1,239	883	2,272	2,109	15,609

Amount of Domestic Coal disposed of by areas during each month for consumption in British Columbia:

## LUMP COAL

Carbon .....	114	147	70	35	.....	34	.....	.....	34	104	105	40	683
Drumheller .....	6,424	6,218	1,295	1,590	335	278	482	2,004	4,563	5,560	8,422	7,984	45,182
Edmonton .....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65
Lethbridge .....	3,678	3,864	1,420	776	510	885	1,087	2,666	3,578	4,312	5,086	4,036	31,898
Pembina .....	1,066	1,068	162	143	.....	.....	32	348	519	999	902	502	5,412
Taber .....	.....	30	103	.....	.....	.....	.....	.....	.....	.....	34	34	261
Redcliff .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	.....	.....	66
Total .....	11,315	11,327	3,050	2,544	845	1,197	1,581	5,018	8,694	10,347	14,646	12,896	83,460

## NUT COAL

Carbon .....	35	.....	69	650	194	133	34	.....	32	65	67	66	1,345
Drumheller .....	3,126	2,948	588	330	198	410	717	1,290	2,357	2,657	4,551	3,738	22,910
Lethbridge .....	1,589	1,835	601	293	210	697	861	716	1,318	2,318	1,399	1,773	13,610
Pembina .....	1,858	1,365	972	827	385	95	95	528	792	848	1,312	1,329	10,406
Taber .....	.....	.....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
Total .....	6,608	6,148	2,262	2,100	987	1,335	1,707	2,534	4,499	5,888	7,329	6,906	48,303

## SLACK COAL

Drumheller .....	.....	.....	.....	.....	.....	.....	.....	76	.....	.....	44	.....	129
Lethbridge .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	93	.....	49	142
Total .....	.....	.....	.....	.....	.....	.....	.....	76	.....	93	44	49	262

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	3,432	4,975	1,210	1,018	760	674	930	2,215	2,436	3,266	4,652	4,969	30,537
Fincher .....	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
Saunders .....	45	65	.....	.....	.....	.....	32	112	129	240	222	32	877
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	251	520	771
Total.....	3,506	5,040	1,210	1,018	760	674	962	2,327	2,565	3,506	5,125	5,521	32,214

## MINE RUN COAL

Coalspur .....	.....	37	.....	113	112	40	121	40	33	34	98	33	661
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## NUT COAL

Coalspur .....	2,370	3,376	1,170	846	509	537	739	887	1,438	2,148	2,164	2,372	18,556
Saunders .....	68	.....	.....	.....	.....	.....	30	.....	31	34	.....	32	195
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	180	219	399
Total.....	2,438	3,376	1,170	846	509	537	769	887	1,469	2,182	2,344	2,623	19,150

## SLACK COAL

Coalspur .....	177	147	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	366
Fincher .....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Total.....	197	147	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	386



## Amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

## LUMP COAL

Cascade .....	314	43	.....	39	.....	.....	.....	.....	.....	.....	45	.....	88
Crow's Nest .....	.....	420	199	.....	.....	.....	42	67	.....	170	279	195	1,782
Total.....	314	463	199	36	.....	.....	42	67	.....	170	279	240	1,870

## MINE RUN COAL

Cascade .....	405	105	.....	316	.....	.....	.....	.....	.....	.....	.....	.....	1,375
Crow's Nest .....	464	1,137	824	50	114	581	49	117	.....	286	745	412	5,220
Mountain Park .....	202	202	34	69	34	.....	.....	.....	.....	33	.....	.....	608
Total.....	1,071	1,444	858	465	148	581	49	117	.....	319	745	412	7,203

## NUT COAL

Cascade .....	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	93
Crow's Nest .....	.....	79	.....	31	.....	.....	.....	.....	.....	44	80	33	334
Total.....	44	79	.....	31	.....	.....	.....	.....	.....	44	80	32	427

## SLACK COAL

Crow's Nest .....	3,745	4,354	4,683	3,056	3,327	4,406	3,213	3,147	.....	1,875	2,974	4,097	3,527	42,904
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## THE MINES BRANCH

Amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	150	427	151	.....	33	.....	.....	330	368	436	386	.....	150
Camrose .....	285	712	64	.....	418	.....	.....	202	418	1,567	841	338	2,704
Carbon .....	528	83,610	20,307	10,848	10,383	7,477	21,195	34,414	72,200	99,581	84,883	696	5,509
Drumheller .....	69,475	2,971	1,060	157	1,396	454	432	1,027	1,453	1,828	1,935	79,442	593,615
Edmonton .....	2,280	31,868	10,639	6,113	3,511	15,463	16,988	23,999	32,334	37,054	29,091	2,112	17,075
Lethbridge .....	22,750	1,446	455	221	2,071	414	.....	335	624	462	1,232	25,145	254,935
Pembina .....	2,217	453	33	48	.....	.....	33	.....	423	1,170	.....	522	12,163
Redcliff .....	518	318	942	.....	96	.....	209	408	1,895	7,900	66	66	3,200
Taber .....	.....	973	195	.....	.....	.....	.....	.....	.....	.....	6,120	1,113	1,392
Tofield .....	1,270	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,179
Total .....	99,423	122,778	33,346	17,420	17,908	23,808	38,837	60,715	109,715	149,998	124,354	112,120	910,922

MINE RUN COAL													
Camrose .....	.....	.....	.....	.....	.....	.....	.....	31	.....	20	.....	.....	31
Castor .....	59	98	108	268	241	.....	.....	193	50	166	68	229	70
Drumheller .....	129	.....	100	100	562	385	166	68	68	.....	33	.....	1,498
Edmonton .....	214	1,329	1,322	1,615	1,457	2,392	1,596	1,702	828	.....	.....	.....	1,543
Pembina .....	543	191	292	881	158	173	33	281	121	320	1,224	1,403	12,255
Redcliff .....	150	183	.....	.....	150	120	90	120	150	241	367	.....	5,615
Sheerness .....	6,315	4,882	4,328	4,884	4,377	4,762	5,407	4,373	4,571	5,259	3,875	3,337	1,890
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56,570
Total .....	7,410	6,683	6,150	7,748	6,935	7,837	7,292	6,768	5,788	6,006	5,567	5,218	79,402

## Amount of Coal sold for consumption in Saskatchewan as:

## NUT COAL

Camrose .....	108	.....	34	.....	704	.....	163	.....	12	58	222	86	34	554
Carbon .....	295	718	377	.....	2,096	.....	.....	.....	158	301	306	205	108	6,897
Castor .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	5
Drumheller .....	13,524	14,172	4,879	.....	2,127	2,016	4,625	.....	4,801	11,382	18,621	14,381	14,288	107,588
Edmonton .....	1,848	1,376	454	.....	299	667	231	.....	129	541	937	346	977	8,998
Lethbridge .....	5,799	9,628	3,335	.....	1,685	4,374	5,608	.....	5,199	7,754	8,492	7,139	5,695	65,803
Pembina .....	1,406	1,093	425	.....	1,208	64	1,242	.....	66	517	1,045	1,567	1,615	10,447
Sheerness .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	148	32	.....	180
Taber .....	.....	.....	329	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	329
Total .....	22,980	26,987	9,833	.....	6,780	6,184	7,851	11,879	10,365	20,543	29,776	24,356	22,717	200,751

## SLACK COAL

Camrose .....	246	375	148	.....	198	511	141	.....	236	335	252	34	67	2,765
Carbon .....	40	.....	222	.....	.....	138	.....	.....	.....	.....	.....	89	227	866
Drumheller .....	11,448	12,106	4,714	.....	1,602	1,385	2,207	.....	3,982	8,909	9,332	8,846	9,837	76,415
Edmonton .....	1,349	3,313	1,573	.....	.....	1,602	65	.....	.....	.....	609	924	.....	65
Lethbridge .....	160	484	148	.....	780	.....	1,101	.....	933	738	609	924	1,787	18,101
Pembina .....	.....	.....	.....	.....	265	.....	31	.....	66	140	99	140	173	1,959
Tofield .....	30	32	.....	.....	325	263	326	.....	261	75	.....	.....	.....	1,627
Total .....	13,274	16,310	6,805	.....	6,428	3,170	3,899	3,871	5,478	10,197	10,292	9,783	12,091	101,598

## Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Coalspur .....	2,542	3,596	256	.....	137	479	1,200	.....	3,874	2,679	3,056	2,566	2,678	23,063
Saunders .....	3,170	2,707	322	.....	129	33	829	.....	1,872	3,947	3,800	4,541	3,654	25,249
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64	31	95
Total .....	5,712	6,303	578	.....	129	170	2,029	.....	5,746	6,626	6,856	7,171	6,363	48,407

## MINE RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Saunders .....	.....	33	.....	.....	.....	.....	.....	.....	33	.....	.....	.....	66

## NUT COAL

Coalspur .....	848	629	139	63	63	130	232	606	429	432	369	325	4,275
Saunders .....	910	1,005	166	120	73	114	373	521	1,220	1,039	1,714	1,582	8,837
Total.....	1,758	1,644	305	183	136	244	605	1,127	1,649	1,471	2,083	1,907	13,112

## SLACK COAL

Coalspur .....	815	1,111	144	525	78	300	356	515	278	424	49	404	4,999
Saunders .....	1,056	1,166	30	.....	20	.....	154	1,131	1,212	1,069	1,197	941	7,976
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	247	.....	247
Total.....	1,871	2,277	174	525	98	300	510	1,646	1,490	1,493	1,493	1,345	13,222

Amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

Cascade .....	46	.....	.....	.....	1,286	.....	.....	76	43	.....	.....	47	212
Crow's Nest .....	1,902	1,809	690	873	1,286	404	721	913	757	660	1,500	1,847	13,362
Total.....	1,948	1,809	690	873	1,286	404	721	989	800	660	1,500	1,894	13,574

## MINE RUN COAL

Cascade .....	82	34	.....	49	.....	.....	49	33	33	34	74	65	503
Crow's Nest .....	5,970	5,961	2,371	2,116	2,125	1,557	1,579	2,639	5,078	3,847	5,872	5,171	44,286
Mountain Park .....	605	564	708	115	134	78	33	268	503	511	553	968	5,040
Total.....	6,657	6,609	3,079	2,280	2,259	1,635	1,661	2,940	5,614	4,392	6,499	6,204	49,329

## NUT COAL

Cascade .....	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
Crow's Nest .....	459	305	247	69	362	101	82	248	34	131	729	227	2,994
Total.....	459	305	297	69	362	101	82	248	34	131	729	262	3,079

## SLACK COAL

Crow's Nest .....	2,973	2,744	883	1,546	2,411	1,137	687	2,285	1,692	1,565	2,159	1,769	21,251
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## Amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

Camrose .....	.....	.....	.....	.....	.....	75	.....	188	102	.....	.....	49	414
Carbon .....	1,746	1,875	669	172	190	.....	.....	284	208	1,098	1,025	465	7,712
Drumheller .....	41,196	38,248	12,126	2,342	2,083	1,999	5,546	12,480	30,052	38,310	50,658	37,284	272,324
Edmonton .....	549	1,098	1,026	62	67	31	.....	.....	138	240	927	1,827	5,355
Lethbridge .....	3,412	3,185	881	72	.....	1,890	1,906	2,211	1,578	3,110	2,893	3,270	24,408
Pembina .....	879	1,451	271	35	33	.....	38	631	853	1,093	1,179	955	7,519
Redcliff .....	64	32	.....	.....	.....	.....	.....	.....	65	34	33	33	2,561
Taber .....	.....	266	2,062	.....	.....	.....	.....	.....	221	416	.....	139	2,828
Tofield .....	212	132	66	.....	.....	.....	.....	112	.....	.....	.....	.....	2,058
Total.....	48,058	46,287	17,101	2,684	2,373	3,995	7,490	15,886	33,207	44,301	57,475	44,022	322,879

MINE RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68
Pembina .....	.....	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
Tofield .....	2,531	2,770	1,194	1,201	1,678	1,920	1,756	1,220	1,609	2,458	2,149	3,636	24,122
Total.....	2,531	2,770	1,227	1,201	1,678	1,920	1,756	1,220	1,609	2,458	2,217	3,636	24,223

NUT COAL

Carbon .....	1,975	2,409	769	528	485	96	184	318	2,307	2,200	2,329	2,011	15,611
Drumheller .....	8,688	9,747	1,557	455	399	319	1,336	2,631	6,692	8,097	9,249	7,862	56,482
Edmonton .....	241	152	274	63	.....	.....	.....	.....	124	32	444	509	1,389
Lethbridge .....	391	935	140	.....	.....	145	255	340	339	678	618	693	4,824
Pembina .....	2,840	2,784	816	365	1,113	134	913	418	1,839	1,057	1,304	1,024	14,607
Total.....	14,085	16,027	3,556	1,411	1,997	694	2,688	3,707	11,291	12,064	13,944	11,599	93,063

SLACK COAL

Carbon .....	.....	1,011	.....	243	499	407	.....	137	.....	.....	971	892	4,169
Drumheller .....	784	1,271	247	.....	23	104	90	344	1,304	1,598	1,925	1,439	9,129
Lethbridge .....	.....	152	.....	.....	.....	145	.....	.....	.....	198	1,369	1,233	2,997
Taber .....	.....	216	697	.....	.....	.....	.....	.....	.....	.....	160	.....	1,073
Total.....	784	2,650	944	243	522	656	90	481	1,304	1,756	4,365	3,564	17,559

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:  
LUMP COAL

Coalspur .....	7,329	6,870	1,835	31	85	73	1,747	4,409	4,542	5,367	6,579	5,800	44,667
Saunders .....	1,607	2,017	165	34	34	112	673	2,143	2,171	2,252	2,068	1,767	15,043
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	79	233	312
Total .....	8,936	8,887	2,000	65	119	185	2,420	6,552	6,713	7,619	8,726	7,800	60,022

## MINE RUN COAL

Coalspur .....	31	31	33	.....	.....	.....	.....	.....	.....	41	.....	.....	136
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## NUT COAL

Coalspur .....	2,038	1,380	504	32	63	33	375	1,732	1,881	1,418	1,749	1,275	12,480
Saunders .....	100	30	.....	.....	.....	.....	61	67	213	409	743	199	1,822
Total .....	2,138	1,410	504	32	63	33	436	1,799	2,094	1,827	2,492	1,474	14,302

## SLACK COAL

Coalspur .....	2,623	2,675	1,101	347	121	44	325	1,123	836	997	2,124	2,885	15,201
Saunders .....	159	33	.....	.....	.....	.....	34	65	293	906	918	425	2,833
Total .....	2,782	2,708	1,101	347	121	44	359	1,188	1,129	1,903	3,042	3,310	18,034

## THE MINES BRANCH

Amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest .....	252	68	225	226	261	278	344	301	67	46	67	111	2,246
Cascade .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43	.....	.....	43
Total.....	252	68	225	226	261	278	344	301	67	89	67	111	2,289
MINE RUN COAL													
Crow's Nest .....	712	425	194	98	216	194	385	49	289	329	326	786	4,003
Mountain Park .....	390	1,224	4,880	68	1,045	2,071	.....	1,120	337	920	1,002	2,278	15,335
Total.....	1,102	1,649	5,074	166	1,261	2,265	385	1,169	626	1,249	1,328	3,064	19,338
NUT COAL													
Crow's Nest .....	33	.....	.....	.....	.....	.....	33	82	.....	.....	.....	32	180
SLACK COAL													
Crow's Nest .....	3,758	3,205	1,430	499	328	331	262	426	180	640	2,255	3,508	16,822



## Amount of Domestic Coal disposed of by areas during each month for consumption in Ontario:

## LUMP COAL

Carbon .....	344	240	37	.....	103	33	.....	.....	35	.....	71	863
Drumheller .....	7,223	5,583	1,559	438	749	1,266	5,390	310	470	1,163	7,198	31,852
Edmonton .....	355	126	33	.....	.....	61	.....	.....	.....	.....	243	818
Lethbridge .....	760	580	141	.....	34	273	567	100	.....	44	236	2,783
Pembina .....	467	140	37	.....	.....	.....	40	.....	32	.....	143	891
Taber .....	.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	34
Total.....	9,149	6,669	1,881	438	886	1,633	5,997	410	537	1,239	7,891	37,241

## MINE RUN COAL

Drumheller .....	.....	.....	.....	.....	.....	186	33	.....	.....	.....	.....	219
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## NUT COAL

Carbon .....	142	300	35	32	.....	33	.....	.....	63	33	70	754
Drumheller .....	718	475	62	29	64	95	348	117	315	764	338	4,110
Edmonton .....	33	.....	.....	.....	.....	.....	.....	30	.....	.....	31	94
Lethbridge .....	475	205	32	.....	.....	138	98	38	97	.....	138	1,349
Pembina .....	498	296	.....	.....	.....	.....	39	32	.....	65	.....	1,927
Taber .....	.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	34
Total.....	1,866	1,276	163	61	64	266	485	227	475	862	674	7,368

## Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Ontario:

## LUMP COAL

Coalspur .....	1,108	915	205	32	214	214	2,469	35	.....	.....	856	6,048
Saunders .....	428	420	107	33	65	413	828	71	30	135	579	3,219
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110	37	37
Total.....	1,536	1,335	312	65	279	627	3,297	106	30	135	110	9,304

## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	432	475	32	.....	38	.....	161	.....	.....	.....	.....	65	1,203

## Amount of Domestic Coal sold for consumption in Quebec:

Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	33
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## Amount of Domestic Coal disposed of as LUMP COAL by areas during each month for consumption in Quebec:

Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	33
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## Amount of Domestic Coal sold each month for consumption in United States:

Carbon .....	.....	200	99	.....	32	66	.....	.....	.....	98	67	.....	562
Drumheller .....	1,007	1,469	.....	103	67	35	.....	164	1,246	1,117	2,206	1,633	9,047
Edmonton .....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
Lethbridge .....	2,417	1,667	225	317	169	410	501	835	1,635	2,009	2,431	2,468	15,084
Redcliff .....	.....	269	.....	.....	.....	.....	.....	.....	.....	.....	70	71	410
Taber .....	.....	768	3,305	.....	.....	.....	.....	.....	.....	.....	61	.....	4,134
Total.....	3,424	4,373	3,660	420	268	511	501	999	2,881	3,224	4,835	4,172	29,268

## Amount of Sub-Bituminous Coal sold each month for consumption in United States:

Coalspur .....	.....	.....	.....	.....	.....	.....	.....	.....	84	.....	81	.....	165
Pincher .....	.....	.....	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
Total.....	.....	.....	56	.....	.....	.....	.....	.....	84	.....	81	.....	221



## THE MINES BRANCH

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in United States:

## SLACK COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Fincher .....	.....	.....	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	56

## LUMP COAL

Coalspur .....	.....	.....	.....	.....	.....	.....	.....	.....	51	.....	81	.....	132
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## NUT COAL

Coalspur .....	.....	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	.....	33
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Amount of Bituminous Coal disposed of by areas during each month for consumption in United States:

## LUMP COAL

Crow's Nest .....	475	430	.....	.....	.....	190	319	97	.....	.....	208	323	2,042
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## MINE RUN COAL

Crow's Nest .....	1,276	1,951	243	80	50	500	145	253	164	298	188	217	5,365
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## SLACK COAL

Crow's Nest .....	2,001	1,703	255	1,211	564	294	319	601	901	829	2,454	3,597	14,729
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Amount of Domestic Coal used under Colliery Boilers by areas during each month:

Ardley .....	124	.....	46	.....	42	.....	46	.....	50	.....	58	.....	124
Canrose .....	74	.....	340	.....	259	.....	330	.....	260	.....	370	.....	632
Carbon .....	402	.....	50	.....	12	.....	50	.....	36	.....	51	.....	3,977
Castor .....	3,363	.....	3,038	.....	2,764	.....	1,365	.....	1,863	.....	3,025	.....	186
Drumheller .....	1,455	.....	1,157	.....	879	.....	487	.....	339	.....	3,140	.....	28,761
Edmonton .....	4,756	.....	5,191	.....	3,721	.....	3,077	.....	4,132	.....	1,089	.....	10,017
Lethbridge .....	1,370	.....	1,252	.....	1,033	.....	969	.....	785	.....	5,281	.....	53,247
Pembina .....	170	.....	145	.....	85	.....	67	.....	80	.....	1,036	.....	11,787
Sheerness .....	.....	.....	250	.....	150	.....	350	.....	350	.....	189	.....	1,413
Taber .....	.....	.....	150	.....	150	.....	350	.....	350	.....	11	.....	817
Tofield .....	150	.....	350	.....	350	.....	350	.....	350	.....	150	.....	3,000
Total.....	11,824	11,964	9,462	8,208	6,687	6,975	7,357	8,009	10,199	11,186	10,661	11,429	113,961

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

Coalspur .....	1,978	2,385	2,016	1,642	1,882	1,823	1,632	1,883	1,266	1,458	1,535	1,584	20,984
Pekisko .....	.....	.....	10	.....	.....	.....	.....	.....	.....	10	25	10	43
Picher .....	2	.....	.....	.....	.....	60	60	60	40	4	5	5	26
Prairie Creek .....	621	566	240	137	129	122	406	721	802	814	838	785	773
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,181
Total.....	2,601	2,851	2,266	1,779	2,011	2,005	2,098	2,564	2,108	2,336	2,493	2,797	28,009

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

Cascade .....	2,019	1,681	1,705	1,610	1,444	1,653	1,706	1,881	1,630	1,406	1,698	1,652	20,085
Crow's Nest .....	3,288	3,994	4,304	4,627	4,065	3,520	3,105	2,851	2,533	2,308	3,647	3,675	41,315
Mountain Park .....	2,950	2,492	2,561	2,621	2,614	2,477	2,575	2,495	2,349	2,439	2,590	2,757	30,920
Nordegz .....	828	893	765	838	171	574	663	696	670	845	878	936	3,357
Total.....	9,085	9,060	9,335	9,096	8,894	8,224	8,049	7,923	7,182	6,998	8,813	9,018	101,677

## Amount of Domestic Coal used by Colliery Railroads by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Lethbridge .....	60	88	20	28	.....	48	44	50	68	81	60	44	594
Pembina .....	54	50	20	15	30	.....	15	.....	30	30	35	45	324
Redcliff .....	54	58	25	40	20	10	.....	14	64	72	.....	48	405
Total.....	168	196	65	83	50	58	59	64	162	186	95	137	1,323

## Amount of Sub-Bituminous Coal used by Colliery Railroads by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	447	568	470	535	535	575	650	635	47	140	40	225	4,867

## Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	54	51	50	60	60	60	58	60	60	36	27	40	616
Crow's Nest .....	38	42	59	59	63	64	52	25	29	14	30	34	509
Total.....	92	93	109	119	123	124	110	85	89	50	57	74	1,125

## Amount of Bituminous Coal used making Briquettes:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	4,161	3,442	841	1,021	638	1,897	1,152	2,336	1,759	2,717	2,689	3,527	26,180

Amount of Domestic Coal Put to Stock by areas during each month:

	8	130	70	6	14
Ardley .....	35	.....	70	215	806
Carbon .....	.....	.....	.....	.....	2
Castor .....	190	210	505	1,055	5,572
Drumheller .....	75	299	1,030	.....	17
Edmonton .....	203	.....	.....	.....	.....
Lethbridge .....	8	2,068	2,678	3,917	24,665
1,204 .....	1,062	1,252	104	685	4,119
600 .....	395	20	15	447	15
Pembina .....	.....	.....	.....	.....	.....
Halcourt .....	.....	.....	.....	.....	.....
Total .....	2,059	2,163	3,372	6,804	34,310

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

	140	385	170	70	20	20	175	120	409	85	150	30	1,774
Coalspur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	83
Pekisko	.....	.....	.....	.....	.....	.....	.....	.....	30	30	.....	.....	2,676
Pincher	.....	23	.....	.....	286	450	683	620	437	200	.....	.....	1,269
Prairie Creek	.....	.....	.....	.....	.....	.....	284	139	.....	620	.....	.....	5,812
Saunders	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	140	408	170	70	306	470	1,142	879	876	935	150	266	.....

Amount of Bituminous Coal Put to Stock by areas during each month:

	305	155	160	90	135	52	78	125	45	520	475	2,265
Cascade .....	1,219	1,701	1,043	1,490	25	25	4,760	.....	347	1,348	1,323	13,256
Crow's Nest .....	110	167	46	132	42	50	38	.....	.....	.....	.....	585
Mountain Park .....	172	151	11	.....	.....	.....	.....	.....	1,629	102	98	2,163
Nordeg. ....												
Total .....	1,806	2,174	1,260	1,712	177	127	4,876	125	2,021	1,970	1,896	18,269

Amount of Domestic Coal Put to Waste by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	118	24	7	.....	.....	.....	.....	.....	11	50	21	69	300
Big Valley .....	2	2	2	2	.....	.....	3	11	2	11	3	4	42
Camrose .....	.....	11	2	.....	.....	.....	.....	.....	.....	16	14	16	59
Carbon .....	318	289	87	79	53	28	17	23	943	957	480	253	3,529
Castor .....	216	318	79	75	53	53	47	60	151	280	190	224	1,739
Champion .....	31	20	4	3	3	2	2	2	3	.....	6	13	100
Drumheller .....	174	120	.....	75	.....	10	150	200	700	1,761	2,344	1,486	7,020
Edmonton .....	76	93	31	48	9	2	2	.....	20	77	120	1,486	959
Lethbridge .....	1,850	2,668	635	533	16	1,176	1,275	1,444	2,149	2,847	2,074	1,530	18,197
Milk River .....	.....	5	5	4	3	2	2	2	3	34	4	2	89
Pakowki .....	.....	7	10	.....	.....	.....	.....	.....	20	34	22	18	111
Pembina .....	392	337	148	84	116	33	90	93	135	205	291	288	2,242
Sheerness .....	86	77	46	21	20	15	11	18	48	265	56	112	775
Taber .....	99	173	52	54	30	29	23	34	135	315	234	96	1,274
Tofield .....	20	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
Total .....	3,386	4,164	1,108	978	296	1,350	1,620	1,890	4,352	6,830	5,859	4,593	36,426

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	4,112	3,982	4,341	4,758	5,419	4,147	5,260	4,951	3,878	4,283	4,485	544	50,160
Pincher .....	.....	35	.....	185	40	270	.....	.....	.....	.....	.....	.....	35
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	495
Pekisko .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75	75
Total .....	4,112	4,017	4,341	4,943	5,459	4,417	5,260	4,951	3,878	4,283	4,485	619	50,765

Amount of Bituminous Coal Put to Waste by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	25	21	25	20	20	11	10	8	8	12	22	15	197
Crow's Nest .....	997	1,516	3,854	4,427	2,797	2,435	2,425	946	1,407	305	698	1,950	23,757
Total .....	1,022	1,537	3,879	4,447	2,817	2,446	2,435	954	1,415	317	720	1,965	23,954



Amount of Domestic, Sub-Bituminous, and Bituminous Coal Lifted from Stock by areas during each month:

DOMESTIC COAL													
Camrose .....	265	.....	.....	66	300	.....	.....	.....	.....	.....	.....	.....	366
Carbon .....	410	.....	.....	115	50	210	.....	.....	.....	.....	.....	.....	785
Drumheller .....	.....	245	203	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,472
Edmonton .....	1,396	2,000	3,886	6,981	517	1,468	2,088	2,404	370	2,324	2,077	.....	28,794
Lethbridge .....	660	600	395	955	51	20	120	505	104	685	447	.....	4,542
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	15	.....	60
Harcourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	2,731	2,845	4,484	7,936	3,184	953	1,698	2,467	3,559	1,079	4,139	3,659	39,034

SUB-BITUMINOUS COAL													
Coalspur .....	40	40	135	220	370	205	48	303	190	454	85	80	2,170
Pincher .....	.....	.....	42	.....	.....	.....	.....	.....	.....	.....	15	.....	57
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	38	45	54	165	322
Saunders .....	146	.....	.....	.....	.....	.....	.....	.....	139	.....	620	.....	905
Total.....	186	40	177	220	370	205	48	303	387	499	774	245	3,454
BITUMINOUS COAL													
Cascade .....	115	305	155	160	90	135	52	78	125	125	45	520	1,905
Crow's Nest .....	.....	451	1,810	.....	939	913	.....	1,698	3,597	1,177	.....	.....	10,605
Mountain Park .....	69	20	234	.....	132	92	38	38	.....	.....	.....	.....	585
Nordegg .....	.....	.....	.....	24	35	233	383	261	128	.....	1,380	.....	2,450
Total.....	184	776	2,199	184	1,216	1,373	485	2,081	3,850	1,302	1,425	520	15,545
Amount of Domestic Coal lifted from Waste:													
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70	.....	70





## THE MINES BRANCH

Men employed in the SUB-BITUMINOUS COAL Field as at December 31, 1929:

Men employed in the SUB-BITUMINOUS COAL field as at December 31st 1928.																								
Area	BELOW GROUND												Total Underground	ABOVE GROUND										Total Above and Below Ground
	Officials	Hand Cutters	Machine Cutters	Machine Loaders	Horse H'ge Employees	Mechanical H'ge Emp's	Ventilation Employees	Roadmakers	Timbermen	Pumpmen	Other Employees	ABOVE GROUND												
												Administration		Foremen and Clerks	Screenmen and Loaders	Enginemen	Firemen	Machinists	Carpenters and Masons	Other Mechanics	Surface Haulage	All Other Employees	Total Above Ground	
Coalspur .....	16	189	14	73	23	4	1	2	10	1	30	363	12	15	44	23	16	7	5	10	4	154	290	653
Pekisko .....	3	5	...	...	...	...	...	...	...	...	3	11	...	1	1	1	2	1	...	...	...	...	5	16
Pincher .....	2	5	...	...	...	...	...	...	...	...	...	7	1	...	6	3	...	...	3	...	...	...	3	10
Prairie Creek .....	1	26	...	...	...	2	1	...	...	...	3	35	...	1	2	6	...	...	...	2	...	...	4	22
Saunders .....	8	...	20	103	8	13	1	2	4	...	5	164	2	4	21	5	9	2	2	3	3	3	54	218
Total.....	30	225	34	176	33	19	3	4	14	1	41	580	16	22	73	34	27	9	10	15	7	161	374	954

Men employed in the BITUMINOUS COAL Field as at December 31, 1929:

Men employed in the BITUMINOUS COAL Field as at December 31, 1929.																							
Cascade .....	17	152	...	...	12	41	4	8	4	2	11	251	2	11	33	7	10	6	2	4	...	14	89
Crow's Nest .....	86	736	...	24	65	123	29	31	63	12	238	1,397	14	54	110	20	22	16	11	32	38	149	466
Mountain Park .....	23	324	...	...	48	14	17	8	51	5	89	579	3	17	69	17	17	10	11	9	2	145	300
Nordegg .....	10	176	...	...	36	15	3	31	19	...	...	290	2	13	16	3	7	3	2	4	...	45	95
Total.....	136	1,388	...	24	161	193	53	78	137	19	328	2,517	21	95	228	47	56	35	26	49	40	353	950

Men employed above and below ground in the DOMESTIC Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Ardley .....	42	15	8	1	1	7	3	4	6	12	20	23	14
Big Valley .....	22	19	13	3	3	7	7	10	8	17	20	24	12
Brooks .....	10	7	6	3	4	4	7	10	12	21	17	13	10
Camrose .....	94	77	47	32	27	28	32	35	61	84	87	87	58
Carbon .....	240	232	170	122	128	116	109	144	202	263	278	267	189
Castor .....	109	109	63	26	20	11	12	15	71	130	136	111	68
Champion .....	30	29	20	12	11	14	14	15	22	30	29	28	21
Drumheller .....	2,571	2,697	1,719	806	929	965	1,277	1,771	2,690	3,182	3,382	3,473	2,120
Edmonton .....	990	943	572	572	334	302	294	369	537	746	830	988	623
Gleichen .....	9	9	7	5	4	4	4	3	1	10	9	9	7
Halcourt .....	2	1	1	1	1	1	1	1	1	1	1	1	2
Lethbridge .....	1,662	1,626	1,461	1,123	788	1,179	1,232	1,403	1,451	1,513	1,609	1,616	1,393
Magrath .....	2	2	3	3	2	2	2	2	2	3	5	5	4
Milk River .....	2	2	3	3	4	2	1	3	2	2	2	2	3
Pakowki .....	4	5	5	3	1	3	1	3	4	5	5	6	4
Pembina .....	207	206	184	141	141	138	146	153	171	165	193	202	170
Redcliff .....	58	54	37	40	38	29	23	28	40	49	46	50	41
Sheerness .....	48	50	31	26	18	14	20	20	41	60	55	48	36
Taber .....	166	166	29	20	15	18	15	12	25	29	44	41	48
Torfield .....	99	98	91	100	116	121	121	120	124	136	102	101	110
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Whitecourt .....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Total .....	6,373	6,356	4,469	3,133	2,585	2,963	3,379	4,103	5,476	6,448	6,872	7,099	4,944

Number of men employed above and below ground in the SUB-BITUMINOUS COAL Field by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Coalspur .....	724	687	486	340	362	405	556	598	582	624	595	653	551
Pekisko .....	8	9	7	5	5	5	5	4	4	5	13	16	8
Pincher .....	11	12	11	9	9	9	9	9	5	11	13	16	10
Prairie Creek .....	.....	.....	.....	27	44	53	53	64	72	65	55	57	40
Saunders .....	184	161	74	53	58	64	120	169	185	210	214	218	142
Total .....	927	869	573	427	471	529	736	837	849	920	888	954	748

Number of men employed above and below ground in the BITUMINOUS COAL Field by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Cascade .....	348	340	347	338	342	346	353	350	352	360	339	340	346
Crow's Nest .....	2,263	2,224	2,483	2,837	2,669	2,663	2,415	2,071	1,932	1,952	1,832	1,863	2,254
Mountain Park .....	823	882	962	971	993	992	980	714	941	941	884	879	913
Norderg .....	426	421	407	335	322	331	336	350	350	360	378	385	367
Total .....	3,860	3,867	4,199	4,281	4,326	4,332	4,085	3,485	3,575	3,613	3,483	3,467	3,880

Number of men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS Fields  
each month:

Domestic .....	6,373	6,356	4,469	3,133	2,585	2,963	3,379	4,193	5,476	6,448	6,872	7,099	4,944
Sub-Bituminous .....	927	869	578	4,271	4,971	5,299	735	837	849	920	888	934	748
Bituminous .....	3,860	3,867	4,199	4,281	4,326	4,332	4,085	3,485	3,575	3,613	3,483	3,467	3,880
Total .....	11,160	11,092	9,246	7,841	7,382	7,824	8,200	8,425	9,900	10,981	11,243	11,520	9,572

## PER CAPITA PRODUCTION OF MINES IN THE PROVINCE.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	889
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,203,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC  
COAL FIELD.

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880

PER CAPITA PRODUCTION OF MINES IN THE SUB-  
BITUMINOUS COAL FIELD.

1922	Stp. Pit	367,514	217	1,692	.....	.....
	B. Grd.	179,500	403	445	277	648
1923	Stp. Pit	288,467	190	1,513	.....	.....
	B. Grd.	174,994	354	494	260	673
1924	Stp. Pit	369,724	211	1,752	.....	.....
	B. Grd.	222,222	393	565	278	799
1925	Stp. Pit	335,993	162	2,074	.....	.....
	B. Grd.	245,842	461	533	326	754
1926	Stp. Pit	258,964	147	1,761	.....	.....
	B. Grd.	231,407	443	545	305	758
1927	Stp. Pit	304,584	193	1,583	.....	.....
	B. Grd.	290,606	478	608	321	905
1928	Stp. Pit	394,682	179	2,205	.....	.....
	B. Grd.	345,810	645	536	457	756
1929	Stp. Pit	319,764	163	1,962	.....	.....
	B. Grd.	348,344	585	595	402	866

## THE MINES BRANCH

## PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,380	4,183	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,862	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077

## PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD.

1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

The table showing the number of men employed in the Anthracite Coal Field includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike, affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike, affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike, affecting all the larger mines in the Province, lasted for a period of six and a half months.

NOTE: In calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.



## Per Capita Production of Mines by Areas:

## DOMESTIC COAL FIELD

Areas	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
Ardley .....	3,344	14	239	12	279
Big Valley .....	4,622	12	385	7	660
Brooks .....	6,633	10	663	8	829
Camrose .....	41,107	58	709	45	913
Carbon .....	111,308	189	584	152	732
Castor .....	31,583	68	464	59	535
Champion .....	10,498	21	499	19	552
Drumheller .....	1,574,766	2,129	740	1,690	932
Edmonton .....	476,702	623	765	515	906
Gleichen .....	2,844	7	406	5	569
Halcourt .....	475	2	237	2	237
Lethbridge .....	731,149	1,393	525	1,066	686
Magrath .....	910	4	225	3	303
Milk River .....	829	2	414	2	414
Pakowki .....	1,735	3	578	3	573
Pembina .....	162,271	170	955	119	1,364
Redcliff .....	27,283	41	665	33	827
Sheerness .....	20,440	36	568	27	757
Taber .....	22,173	48	462	42	504
Tofield, Stripping .....	151,816	106	1,429	.....	.....
Tofield, Underground .....	3,243	4	811	3	1,081
Wetaskiwin .....	18	2	9	1	18
Whitecourt .....	.....	2	.....	.....	.....
Total .....	3,385,749	4,944	685	3,813	880

## SUB-BITUMINOUS COAL FIELD

Coalspur, Stripping .....	319,764	163	1,962	.....	.....
Coalspur, Underground .....	246,227	388	635	273	902
Pekisko .....	4,493	8	562	5	898
Pincher .....	1,823	7	260	5	363
Prairie Creek .....	6,713	40	168	18	373
Saunders .....	89,088	142	627	101	848
Total .....	668,108	748	892	402	866

## BITUMINOUS COAL FIELD

Cascade .....	299,428	346	865	248	1,207
Crow's Nest .....	1,552,966	2,254	688	1,762	881
Mountain Park .....	993,404	913	1,088	616	1,613
Nordegg .....	247,595	367	675	272	910
Total .....	3,093,393	3,880	797	2,898	1,077

## THE MINES BRANCH

Number of days on which Coal was drawn in the DOMESTIC Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	16.00	15.25	5.00	4.00	3.00	.....	.....	.....	13.00	15.16	18.00	17.22	106.63
Big Valley .....	17.50	17.71	8.33	9.33	5.75	3.66	4.66	8.66	15.55	18.00	19.66	19.00	147.81
Brooks .....	25.00	24.00	26.00	23.00	22.00	20.00	24.00	24.00	25.00	27.00	25.00	20.50	285.50
Camrose .....	13.00	16.60	15.00	18.00	17.33	19.00	17.00	17.66	21.66	17.60	16.80	17.20	206.85
Carbon .....	18.72	19.11	12.17	12.16	14.45	9.36	9.77	11.92	19.76	20.37	17.76	17.20	182.76
Castor .....	18.08	16.68	9.27	10.54	7.00	10.76	10.62	11.72	18.00	21.39	16.50	15.91	166.47
Champion .....	18.72	17.28	14.71	15.50	14.71	10.42	15.16	15.66	21.33	19.12	18.75	18.25	199.61
Drumheller .....	18.06	21.32	8.50	11.33	11.85	11.31	13.84	15.20	19.50	19.96	17.15	15.45	183.29
Edmonton .....	20.85	18.96	12.04	12.52	13.92	13.15	15.81	15.42	19.37	20.71	19.43	21.70	204.34
Gleichen .....	16.00	14.50	17.50	18.00	20.00	15.50	27.00	26.00	25.00	24.50	17.00	23.50	244.50
Halcourt .....	15.00	12.00	5.00	.....	2.00	.....	.....	4.00	8.00	15.00	16.00	16.00	93.00
Lethbridge .....	16.31	17.43	10.20	11.00	12.87	13.75	13.77	16.69	17.37	20.07	18.25	16.50	184.13
Magrath .....	20.50	15.00	.....	.....	.....	20.00	16.00	10.00	15.00	27.00	18.50	22.50	164.50
Milk River .....	17.50	18.50	17.00	13.00	11.33	14.50	12.00	9.00	13.50	19.50	16.00	12.00	172.83
Pakowki .....	13.66	13.00	10.50	8.00	15.00	12.00	14.00	9.00	15.66	20.25	13.50	9.60	154.17
Pembina .....	20.00	20.33	16.50	16.50	17.50	14.00	17.00	13.50	11.00	12.50	14.00	14.50	187.33
Redcliff .....	19.50	19.50	12.00	19.00	8.50	7.50	10.00	9.50	19.00	21.00	19.50	20.50	186.00
Sheerness .....	16.61	17.92	15.61	11.72	10.12	8.77	11.20	12.80	19.00	22.78	14.85	15.14	176.52
Taber .....	16.20	14.75	10.66	10.88	10.16	8.85	9.00	10.80	12.55	20.50	19.81	13.81	157.97
Tofield .....	21.00	19.00	12.26	11.00	22.50	18.00	18.50	16.20	19.33	19.66	15.75	16.25	209.39
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00	11.00	14.00
Total Average.....	17.91	17.44	12.53	13.08	12.63	12.80	14.43	13.51	17.44	20.10	16.91	16.84	172.74

Number of days on which Coal was drawn in the SUB-BITUMINOUS COAL Field by areas each month:

Coalspur .....	20.25	20.75	14.00	18.70	14.85	14.16	19.00	19.85	18.83	20.16	19.66	16.85	217.06
Pekisko .....	20.00	12.50	16.00	6.50	10.50	20.50	17.00	13.50	14.50	7.66	16.66	16.00	171.32
Pincher .....	15.00	11.33	9.33	14.00	10.00	14.00	5.00	9.00	18.00	21.66	22.00	23.50	172.82
Saunders .....	20.00	18.50	5.50	10.00	7.00	13.00	18.50	26.00	21.00	12.50	23.00	25.00	192.59
Prairie Creek .....	.....	.....	.....	18.00	25.50	23.00	14.50	16.00	23.00	23.50	21.50	20.50	192.65
Total Average.....	18.81	15.77	11.20	13.44	13.57	16.93	14.80	16.87	19.06	17.17	20.56	20.37	189.27

Number of days on which Coal was drawn in the BITUMINOUS COAL Field by areas each month:

Cascade .....	22.00	19.50	21.50	25.00	25.00	24.00	23.50	23.50	22.50	19.50	17.00	19.00	262.00
Crow's Nest .....	16.22	18.60	21.33	24.63	23.00	21.63	6.90	17.54	15.63	15.09	13.63	16.72	220.32
Mountain Park .....	17.00	17.33	21.00	24.66	24.00	24.00	27.00	24.66	14.30	19.66	19.66	22.00	255.37
Nordeg .....	16.00	19.00	18.00	12.00	13.00	15.00	14.00	14.00	17.00	21.00	15.00	19.00	193.00
Total Average.....	17.80	18.60	20.45	21.57	21.25	21.15	20.35	19.92	17.35	18.81	16.32	19.18	232.79

Number of days on which Coal was drawn each month:

Domestic .....	17.91	17.44	12.53	13.08	12.63	12.80	14.43	13.51	17.44	20.10	16.91	16.84	172.74
Sub-Bituminous .....	18.81	15.77	11.20	13.44	13.57	16.93	14.80	16.87	19.06	17.17	20.56	20.37	189.27
Bituminous .....	17.80	18.60	20.45	21.57	21.25	21.15	20.35	19.92	17.35	18.81	16.32	19.18	232.79
Total Average.....	18.17	17.27	14.72	16.63	15.81	16.96	16.52	16.76	17.95	18.69	17.93	18.79	198.26



Total number of shifts worked above and below ground in the DOMESTIC Field each month by areas  
for the six months ending December 31st, 1929:

	July		August		September		October		November		December		Total for six months ending Dec. 31st, 1929	Total for year ending Dec. 31st, 1929
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground		
Ardley .....	.....	40	.....	26	.....	114	28	191	123	243	123	242	1,064	2,048
Big Valley .....	.....	122	57	137	33	70	57	180	53	280	36	360	1,139	2,097
Brooks .....	49	.....	123	57	50	245	83	451	79	348	61	183	1,867	2,846
Carlrose .....	123	285	141	563	223	1,023	334	1,042	257	870	508	737	6,106	10,888
Carbon .....	316	921	409	1,235	785	2,856	1,102	4,074	779	3,597	699	3,039	19,812	36,934
Castor .....	36	95	55	194	108	178	353	2,240	276	1,722	324	1,448	7,629	12,332
Champion .....	19	168	22	193	29	300	55	503	53	437	58	368	2,265	3,936
Drumheller .....	10,201	23,958	7,839	23,200	11,599	41,993	14,147	53,287	13,861	48,920	12,034	45,823	306,662	492,652
Edmonton .....	1,147	4,194	1,312	5,130	2,007	8,683	2,679	11,822	2,942	14,024	3,362	17,058	74,360	142,559
Gleichen .....	27	60	26	57	37	165	32	175	11	161	37	127	945	1,957
Halcourt .....	.....	.....	2	8	2	18	2	22	5	45	5	55	164	343
Lethbridge .....	6,655	16,717	8,916	24,465	7,925	24,139	9,199	27,557	8,259	24,971	7,904	23,300	190,007	329,852
Magrath .....	16	16	10	10	15	15	27	54	28	74	25	110	400	648
Milk River .....	.....	31	.....	15	.....	31	.....	42	.....	33	.....	25	177	445
Pakowki .....	.....	14	.....	15	.....	47	.....	108	6	52	4	58	314	553
Pembina .....	955	1,917	917	1,600	990	1,761	1,080	2,060	1,078	2,447	1,103	2,486	18,394	37,995
Redcliff .....	84	213	57	218	152	504	188	876	147	715	161	856	4,151	8,096
Sheerness .....	62	177	84	172	169	486	465	849	229	466	160	485	3,804	6,253
Taber .....	62	170	19	132	28	247	111	665	205	633	83	412	2,777	6,569
Tofield .....	2,998	.....	3,069	.....	2,938	19	2,772	130	1,904	148	1,485	133	15,596	27,688
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	4	3	8	11	26	26
Total .....	22,750	49,098	22,943	57,377	27,090	83,494	32,696	106,326	30,328	100,259	28,180	97,116	657,659	1,126,817

Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1929:

SUB-BITUMINOUS COAL FIELD

Areas	January		February		March		April		May		June		Total Above and Below Ground
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	
Coalspur .....	11,115	17,888	6,352	6,824	5,278	2,639	5,132	1,889	5,292	1,818	5,569	2,165	71,961
Pekisko .....	20	60	20	81	12	58	11	35	20	55	20	82	474
Pincher .....	44	95	34	87	28	57	14	14	10	10	14	14	421
Prairie Creek .....	.....	.....	.....	.....	.....	.....	205	103	425	518	787	550	2,588
Saunders .....	1,028	2,849	860	2,510	320	334	317	354	273	197	669	419	10,130
Total.....	12,207	20,892	7,266	9,502	5,638	3,088	5,679	2,395	6,020	2,598	7,059	3,230	85,574

BITUMINOUS COAL FIELD

Areas	January		February		March		April		May		June		Total Above and Below Ground
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	
Cascade .....	2,522	5,184	2,206	4,382	2,548	5,247	2,694	5,797	2,673	5,720	2,651	5,914	47,538
Crow's Nest .....	10,284	24,409	10,751	29,126	13,820	46,240	14,148	52,327	13,864	51,279	13,273	45,404	324,925
Mountain Park .....	7,461	11,120	8,258	10,030	7,348	14,539	7,840	16,672	7,502	16,565	8,180	16,195	131,710
Nordegg .....	2,102	4,310	2,562	5,511	2,493	5,392	1,827	3,100	2,346	3,480	2,208	3,274	39,105
Total.....	22,369	45,523	23,777	49,049	26,209	71,418	26,509	77,896	26,385	77,044	26,312	70,787	543,278

TOTAL DOMESTIC, SUB-BITUMINOUS, AND BITUMINOUS FIELDS

Areas	January		February		March		April		May		June		Total Above and Below Ground
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	
Domestic .....	27,816	99,814	29,516	108,916	18,394	44,338	14,954	30,109	16,686	27,391	18,258	32,366	469,158
Sub-Bituminous .....	12,207	20,892	7,266	9,502	5,638	3,088	5,679	2,395	6,020	2,598	7,059	3,230	85,574
Bituminous .....	22,369	45,523	23,777	49,049	26,209	71,418	26,509	77,896	26,385	77,044	26,312	70,787	543,278
Total.....	62,392	166,229	60,559	167,467	50,241	118,844	47,142	110,400	49,091	107,033	51,629	106,983	1,098,010

Number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1929:

SUB-BITUMINOUS COAL FIELD															
Coalspur .....	6,703	5,219	7,097	6,112	5,776	5,633	5,372	6,327	4,897	6,477	4,092	7,794	71,349	143,310	
Pekisko .....	17	51	13	46	19	62	42	52	60	135	98	179	780	1,254	
Fincher Creek .....	5	5	9	36	36	33	65	117	66	123	51	106	647	1,063	
Prarie Creek .....	773	354	1,152	447	1,231	826	1,497	438	785	546	574	728	9,171	11,759	
Saunders .....	1,001	1,357	987	2,598	1,172	3,254	1,264	3,549	1,129	3,796	1,446	3,517	25,070	35,200	
Total.....	8,499	6,986	9,204	9,212	8,254	9,628	8,240	10,483	6,937	11,079	6,171	12,324	107,017	192,591	
BITUMINOUS COAL FIELD															
Cascade .....	2,688	5,619	2,543	5,332	2,610	5,172	2,208	3,637	1,737	2,786	1,921	3,729	39,987	87,525	
Crows Nest .....	11,241	31,701	8,843	21,842	8,859	19,618	8,013	15,772	7,229	15,533	10,162	23,198	182,011	506,936	
Mountain Park .....	8,759	17,957	12,122	14,769	7,209	11,417	8,672	14,121	6,537	13,461	6,696	13,388	135,708	267,418	
Nordeg .....	2,301	3,134	2,308	3,492	3,557	2,866	2,739	5,600	2,745	4,659	2,478	4,493	40,672	79,777	
Total.....	24,989	58,411	25,821	45,435	22,535	39,073	21,632	39,130	18,248	36,439	21,257	45,408	398,378	941,656	
TOTAL DOMESTIC, SUB-BITUMINOUS, AND BITUMINOUS FIELDS															
Domestic .....	22,750	49,098	22,943	57,377	27,090	83,494	32,696	106,328	30,338	100,259	28,180	97,116	657,659	1,126,817	
Sub-Bituminous .....	8,499	6,986	9,204	9,212	8,254	9,628	8,240	10,483	6,937	11,079	6,171	12,324	107,017	192,591	
Bituminous .....	24,989	58,411	25,821	45,435	22,535	39,073	21,632	39,130	18,248	36,439	21,257	45,408	398,378	941,656	
Total.....	56,238	114,495	57,968	112,024	57,879	132,195	62,568	155,941	55,513	147,777	55,608	154,848	1,163,054	2,261,064	

THE MINES BRANCH

Amount of Mine Timber used during the year:

DOMESTIC COAL FIELD

Areas	Round Timber linear ft.	Lumber B.M.	Ties	Slabs	Cordwood
Ardley .....	10,627	.....	.....	.....	.....
Big Valley .....	14,276	1,900	.....	.....	.....
Brooks .....	34,950	.....	.....	.....	.....
Camrose .....	227,802	.....	.....	.....	.....
Carbon .....	553,891	2,560	.....	.....	.....
Castor .....	96,740	1,900	.....	.....	.....
Champion .....	31,270	1,000	.....	.....	.....
Drumheller .....	4,851,506	3,324	126,024	188	.....
Edmonton .....	2,128,683	.....	99,360	260	.....
Gleichen .....	17,740	.....	.....	.....	.....
Halcourt .....	3,000	.....	.....	.....	.....
Lethbridge .....	3,568,856	1,940,799	128,792	152	56 ½
Magrath .....	5,650	.....	.....	.....	.....
Milk River .....	3,800	.....	.....	.....	.....
Pakowki .....	7,380	.....	.....	.....	.....
Pembina .....	279,000	.....	40,040	.....	.....
Redcliff .....	68,789	.....	3,000	.....	.....
Sheerness .....	30,952	.....	.....	.....	.....
Taber .....	44,831	425	.....	13	.....
Tofield .....	6,425	.....	.....	.....	.....
Wetaskiwin .....	100	.....	.....	.....	.....
Total .....	11,986,268	1,951,908	424,216	613	56 ½

SUB-BITUMINOUS COAL FIELD

Areas	Round Timber linear ft.	Lumber B.M.	Ties	Slabs	Lagging
Coalspur .....	445,800	35,744	9,063	90	.....
Pekisko .....	6,655	.....	.....	.....	.....
Pincher .....	7,746	.....	.....	.....	.....
Prairie Creek .....	23,357	.....	.....	.....	.....
Saunders .....	503,556	.....	3,775	.....	.....
Total.....	987,114	35,744	12,838	90	.....

BITUMINOUS COAL FIELD

Cascade .....	370,485	.....	.....	.....	200,000
Crow's Nest .....	3,032,116	1,002,519	.....	.....	.....
Mountain Park .....	1,114,093	.....	5,520	509	.....
Nordegg .....	1,287,169	.....	.....	.....	.....
Total.....	5,803,863	1,002,519	5,520	509	200,000



## PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Portable Electric Lamps, Edison Cap Type.....	940	1,053	1,000	807	780	744	1,207	1,592	1,800	2,627
Portable Electric Lamps, Cegg Hand Type.....	35	35	35	35	43	43	.....	.....	.....	.....
Portable Electric Lamps, Wico Cap Type.....	500	500	500	500	569	569	275	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	.....	.....	25	49	.....	.....	.....	.....
Safety Lamps, Wolfe Flame Type.....	495	524	421	125	152	147	108	108	106	157
Safety Lamps, Koehler Flame Type.....	.....	6	.....	3	6	8	4	3	.....	.....
Total.....	1,770	2,128	1,956	1,470	1,575	1,542	1,594	1,703	1,906	2,784

## PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Portable Electric Lamps, Edison Cap Type.....	.....	.....	54	78	62	41	120	120	140	161
Safety Lamps, Wolfe Flame Type.....	.....	.....	.....	.....	.....	110	42	39	45	37
Total.....	.....	.....	54	78	62	151	162	159	185	198

## PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Portable Electric Lamps, Edison Cap Type.....	2,214	2,612	2,849	3,545	3,485	2,952	3,024	3,378	3,510	3,310
Portable Electric Lamps, Wheat Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	11	12
Portable Electric Lamps, Wolfe Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	20	20
Portable Electric Lamps, Geisral Electric Cap Type.....	71	71	71	47	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	.....	1,186	894	703	554	633	468	363
Safety Lamps, Wolfe Flame Type.....	1,441	1,301	1,218	.....	.....	.....	.....	8	.....	.....
Safety Lamps, Koehler Flame Type.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	3,726	3,984	4,147	4,778	4,379	3,655	3,578	4,019	4,019	3,705

## THE MINES BRANCH

Quantity of Explosives used in pounds for blasting coal:

## DOMESTIC COAL FIELD

Areas	Name of Explosive								Total	
	Pellet Powder	Black Powder	Monobel No. 6	Monobel No. 4	Dynamite		Stumping Powder	Coalite G.		Miner's Friend No. 9
					40 %	30 %				
Ardley .....		1,339								1,339
Big Valley .....		3,205								3,205
Brooks .....		7,450								7,450
Camrose .....								11		11
Carbon .....	3,600	40,552								44,152
Castor .....		8,515		100						8,615
Champion .....		3,650								3,650
Drumheller .....	135,850	172,672	150	12,700					6,050	327,422
Edmonton .....	2,971	46,186		1,900	50		5,267	21,021	6,289	83,684
Gleichen .....		1,850								1,850
Halcourt .....		1,100								1,100
Lethbridge .....	100	67,013		29,620		5,200				101,933
Magrath .....		215								215
Milk River .....		905								905
Pakowki .....		791			150					941
Pembina .....							4	13,495		13,499
Redcliff .....		8,212								8,212
Sheerness .....		10,010								10,010
Taber .....		7,645		582						8,227
Tofield .....		24,100			350		700			25,150
Wetaskiwin .....		10								10
Total.....	142,521	405,420	150	44,902	550	5,200	5,971	34,527	12,339	651,580

## SUB-BITUMINOUS COAL FIELD

Areas	Name of Explosive							Total	
	Pellet Powder	Dynamite		Stumping Powder	Monobel No. 4	Monobel No. 12	Miner's Friend No. 9		Coalite G.
		35 %	60 %						
Coalspur .....	.....	56,735	100	.....	72,711	500	.....	.....	130,046
Pekisko .....	.....	.....	.....	.....	560	.....	100	.....	660
Pincher .....	.....	.....	.....	.....	460	.....	.....	.....	460
Prairie Creek .....	110	.....	.....	2,100	.....	.....	.....	2,956	5,166
Saunders .....	10,997	.....	.....	.....	.....	.....	10,872	.....	21,869
Total.....	11,107	56,735	100	2,100	73,731	500	10,972	2,956	158,201

## BITUMINOUS COAL FIELD

Areas	Name of Explosive				Total
	Monobel No. 4	Monobel No. 6	CXL-ITE No. 2	Miner's Friend No. 9	
Cascade .....	78,000		50	2,124	81,174
Crow's Nest .....	79,675				79,675
Mountain Park .....		128,714			128,714
Nordegg .....	12,700				12,700
Total.....	170,375	128,764	2,124	1,000	302,263

Number of tons of coal produced per pound of Explosive used for blasting coal:

## DOMESTIC COAL FIELD

Areas	Number of tons mined	Number of pounds of explosive used	Tons of Coal mined per pound of explosive used
Ardley .....	3,344	1,339	2.49
Big Valley .....	4,622	3,205	1.44
Brooks .....	6,633	7,450	.89
Camrose .....	41,107	11	3,737.00
Carbon .....	111,308	44,152	2.52
Castor .....	31,583	8,615	3.66
Champion .....	10,498	3,650	2.87
Drumheller .....	1,574,766	327,422	4.80
Edmonton .....	476,702	83,684	5.69
Gleichen .....	2,844	1,850	1.53
Halcourt .....	475	1,100	.43
Lethbridge .....	731,149	101,933	7.17
Magrath .....	910	215	4.23
Milk River .....	829	905	.91
Pakowki .....	1,735	941	1.84
Pembina .....	162,271	13,499	12.02
Redcliff .....	27,283	8,212	3.32
Sheerness .....	20,440	10,010	2.04
Taber .....	22,173	8,227	2.69
Tofield .....	155,059	25,150	6.16
Wetaskiwin .....	18	10	1.80
Total.....	3,385,749	651,580	5.19

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	565,991	130,046	4.35
Pekisko .....	4,493	660	6.80
Pincher .....	1,823	460	3.96
Prairie Creek .....	6,715	5,166	1.29
Saunders .....	89,088	21,869	4.07
Total.....	668,108	158,201	4.22

## BITUMINOUS COAL FIELD

Cascade .....	299,428	81,174	3.68
Crow's Nest .....	1,552,966	79,675	19.49
Mountain Park .....	993,404	128,714	7.71 ✓
Nordegg .....	247,595	12,700	19.49
Total.....	3,093,393	302,263	10.23

## THE MINES BRANCH

Estimated number of Shots fired for blasting coal:

## DOMESTIC COAL FIELD

Areas	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....	.....	.....	1,460	.....	1,460
Big Valley .....	.....	.....	2,683	.....	2,683
Brooks .....	.....	.....	3,650	.....	3,650
Camrose .....	18	.....	9	.....	27
Carbon .....	.....	.....	32,627	1,035	33,662
Castor .....	.....	.....	8,398	1,618	10,016
Champion .....	.....	.....	.....	5,360	5,360
Drumheller .....	19,200	73,162	186,896	.....	279,258
Edmonton .....	14,853	.....	71,922	.....	86,775
Gleichen .....	.....	.....	1,080	.....	1,080
Halcourt .....	.....	.....	880	.....	880
Lethbridge .....	60,805	54,675	1,120	12,623	129,223
Magrath .....	.....	.....	395	.....	395
Milk River .....	.....	.....	880	.....	880
Pakowki .....	.....	.....	201	800	1,001
Pembina .....	14,217	.....	6	.....	14,223
Redcliff .....	.....	.....	980	4,035	5,015
Sheerness .....	.....	.....	9,509	2,968	12,477
Taber .....	.....	.....	1,095	10,775	11,870
Tofield .....	.....	.....	14,620	.....	14,620
Wetaskiwin .....	.....	.....	25	.....	25
Total.....	109,093	127,837	337,556	39,214	614,580

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	77,425	.....	37	.....	77,462
Pekisko .....	453	.....	350	.....	803
Pincher .....	756	.....	.....	.....	756
Prairie Creek .....	4,505	.....	.....	.....	4,505
Saunders .....	.....	.....	21,516	.....	21,516
Total.....	83,139	.....	21,903	.....	105,042

## BITUMINOUS COAL FIELD

Cascade .....	110,200	.....	.....	.....	110,200
Crow's Nest .....	82,693	.....	.....	.....	82,693
Mountain Park .....	114,903	.....	.....	.....	114,903
Nordegg .....	18,550	.....	.....	.....	18,550
Total.....	326,346	.....	.....	.....	326,346

Number of Miss-fire Shots recorded in blasting coal in the Province:

## DOMESTIC COAL FIELD

	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....	.....	.....	9	.....	9
Big Valley .....	.....	.....	6	.....	6
Carbon .....	.....	.....	24	.....	24
Castor .....	.....	.....	18	34	52
Drumheller .....	12	75	103	.....	190
Edmonton .....	9	.....	143	.....	152
Gleichen .....	.....	.....	7	.....	7
Halcourt .....	.....	.....	12	.....	12
Lethbridge .....	10	66	5	.....	81
Magrath .....	.....	.....	2	.....	2
Pembina .....	1	.....	.....	.....	1
Redcliff .....	.....	.....	2	8	10
Sheerness .....	.....	.....	15	13	28
Tofield .....	.....	.....	.....	16	16
Total.....	32	141	346	71	590

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	35	.....	.....	.....	35
Prairie Creek .....	15	.....	.....	.....	15
Saunders .....	.....	.....	4	.....	4
Total.....	50	.....	4	.....	54

## BITUMINOUS COAL FIELD

Cascade .....	9	.....	.....	.....	9
Crow's Nest .....	15	.....	.....	.....	15
Mountain Park .....	146	.....	.....	.....	146
Nordegg .....	5	.....	.....	.....	5
Total.....	175	.....	.....	.....	175

## THE MINES BRANCH

Quantity of Explosives used in pounds for blasting rock in Coal Mines in the Province:

Name of Explosive									
Black Powder	Miner's Friend No. 9	Monobel No. 4	35% Dynamite	CXL-ITE No. 2	Monobel No. 6	Stumping Powder	40% Dynamite	60% Dynamite	Total
Ardley .....	.....	25	.....	.....	.....	60	.....	.....	85
Big Valley .....	5	20	.....	.....	.....	.....	.....	.....	25
Carbon .....	.....	153	.....	.....	.....	.....	28	.....	181
Cascade .....	.....	.....	.....	8,400	4,000	.....	.....	.....	12,400
Castor .....	.....	.....	.....	.....	.....	18	5	.....	23
Champion .....	110	800	7,750	.....	.....	.....	125	17,500	235
Coalspur .....	.....	.....	.....	16,415	.....	.....	150	.....	26,050
Crow's Nest .....	.....	4,355	.....	2,600	25	.....	16,713	.....	16,565
Drumheller .....	.....	3,220	.....	.....	.....	.....	2,350	.....	26,913
Edmonton .....	.....	.....	.....	.....	.....	.....	75	.....	2,350
Gleichen .....	.....	.....	.....	.....	.....	.....	50	.....	75
Haicourt .....	.....	2,366	.....	.....	.....	.....	.....	2,095	50
Lethbridge .....	.....	170	.....	.....	.....	.....	.....	.....	4,461
Magrath .....	.....	.....	.....	21,120	7,610	.....	.....	138,431	170
Mountain Park .....	.....	.....	.....	700	.....	.....	.....	.....	167,161
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	500	700
Prairie Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	500
Saunders .....	875	.....	.....	.....	.....	.....	.....	.....	875
Taber .....	120	18	.....	.....	.....	.....	.....	.....	138
Total .....	235	4,095	7,907	7,750	49,235	11,635	78	19,496	158,526
Total .....									258,957

Estimated number of shots fired for blasting rock in Coal Mines in the Province:

Areas	Electric Deton- ator	Electric Squib	Fuse	Squib	Total
Ardley .....	.....	.....	106	.....	106
Big Valley .....	12	.....	12	.....	24
Carbon .....	.....	.....	295	31	326
Cascade .....	15,225	.....	.....	.....	15,225
Castor .....	.....	.....	50	.....	50
Champion .....	165	.....	.....	236	401
Coalspur .....	2,831	.....	2,415	.....	5,246
Crow's Nest .....	13,831	.....	.....	.....	13,831
Drumheller .....	14,206	.....	19,523	.....	33,729
Edmonton .....	.....	.....	3,600	.....	3,600
Gleichen .....	64	.....	.....	.....	64
Halcourt .....	.....	.....	60	.....	60
Lethbridge .....	7,490	.....	.....	.....	7,490
Mountain Park .....	20,177	.....	.....	.....	20,177
Nordegg .....	1,000	.....	.....	.....	1,000
Prairie Creek .....	400	.....	.....	.....	400
Saunders .....	.....	.....	900	.....	900
Taber .....	.....	.....	26	375	401
Total.....	75,401	.....	26,987	642	103,030

Number of Miss-fire Shots recorded in blasting rock in Coal Mines in the Province:

Coalspur .....	4	.....	.....	.....	4
Crow's Nest .....	2	.....	.....	.....	2
Drumheller .....	1	.....	36	.....	37
Halcourt .....	.....	.....	2	.....	2
Mountain Park .....	205	.....	.....	.....	205
Saunders .....	.....	.....	2	.....	2
Total.....	212	.....	40	.....	252

## ELECTRICITY

The rules for the Installation and Use of Electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 73 different mines in 1929. A summary of these returns regarding the horse-power of electrical apparatus in use is given below:

Areas	No. of Mines using Electricity	Horse-power of Electrical Apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley .....	1	.....	40	40
Big Valley .....	1	25	35	60
Camrose .....	1	5	12 ½	17 ½
Carbon .....	3	92	213	305
Cascade .....	1	705	175	880
Coalspur .....	3	447	322	769
Crow's Nest .....	8	11,234 ½	1,855	13,089 ½
Drumheller .....	27	2,657	3,993	6,650
Edmonton .....	8	609	934 ½	1,543 ½
Lethbridge .....	7	1,369	540	1,909
Mountain Park .....	3	631	830	1,461
Nordegg .....	1	1,200 ½	80	1,280 ½
Pembina .....	2	201	485	686
Redcliff .....	1	90	30	120
Saunders .....	3	98	213	311
Taber .....	3	75	489	564
Total.....	73	19,439	10,247	29,886

A closer estimate of the extent to which electricity is used in the different areas may be made by considering the number of tons of coal raised per electrical horse-power employed in all mines under The Mines Act. The following table will give this information.

## TONS OF COAL PER ELECTRICAL HORSE-POWER EMPLOYED

Areas	Tons of coal mined in 1929	Tons of Coal Mined		Total Above and Below Ground
		Above Ground	Below Ground	
Ardley .....	3,344	.....	83	83
Big Valley .....	4,622	184	132	66
Brooks .....	6,633	.....	.....	.....
Camrose .....	41,107	8,221	3,288	2,350
Carbon .....	111,308	12,010	522	365
Cascade .....	299,428	425	1,139	340
Castor .....	31,583	.....	.....	.....
Champion .....	10,498	.....	.....	.....
Coalspur .....	565,991	1,266	1,758	736
Crow's Nest .....	1,552,966	138	837	111
Drumheller .....	1,574,766	604	394	237
Edmonton .....	476,702	766	510	309
Gleichen .....	2,844	.....	.....	.....
Halcourt .....	475	.....	.....	.....
Lethbridge .....	731,149	534	1,353	383
Magrath .....	910	.....	.....	.....
Milk River .....	829	.....	.....	.....
Mountain Park .....	993,404	1,574	1,197	680
Nordegg .....	247,595	206	3,095	185
Pakowski .....	1,735	.....	.....	.....
Pekisko .....	4,493	.....	.....	.....
Pembina .....	162,271	807	335	237
Pincher .....	1,823	.....	.....	.....
Prairie Creek .....	6,715	.....	.....	.....
Redcliff .....	27,283	303	909	227
Saunders .....	89,088	909	418	286
Sheerness .....	20,440	.....	.....	.....
Taber .....	22,173	736	113	99
Tofield .....	155,059	.....	.....	.....
Wetaskiwin .....	18	.....	.....	.....



## COAL-CUTTING MACHINERY

Areas	No. of Machines operated by		Tons of Coal mined by	
	Electricity	Compressed Air	Electricity	Compressed Air
Ardley .....	1	....	800	.....
Big Valley .....	1	....	1,262	.....
Carbon .....	5	3	65,793	9,750
Castor .....	....	1	.....	1,500
Coalspur .....	4	6	16,028	57,120
Crow's Nest .....	....	169*	.....	263,930
Drumheller .....	89	....	1,436,464	.....
Edmonton .....	17	....	304,690	.....
Gleichen .....	....	1	.....	2,662
Lethbridge .....	2	99	3,075	621,557
Pembina .....	6	....	134,393	.....
Redcliff .....	1	3	13,450	13,640
Saunders .....	3	12	27,065	62,022
Taber .....	7	....	12,392	.....
Total .....	136	294	2,015,412	1,032,181

\*Compressed air operated picks.

## ACCIDENTS.

Summary table showing Accidents occurring in Mines during 1906 to 1929 inclusive:

Year	Output	Accidents			Tons of Coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906 .....	1,385,000	10	11	20	138,500	125,909	60,250
1907 .....	1,834,745	19	18	68	96,566	101,930	26,981
1908 .....	1,845,000	11	38	13	167,727	48,552	141,923
1909 .....	2,174,329	9	42	18	241,952	51,769	120,796
1910 .....	3,036,757	61*	41	58	49,782	71,067	52,375
1911 .....	1,694,564	7	32	45	242,080	52,955	87,656
1912 .....	3,446,349	21	38	58	164,111	90,693	59,419
1913 .....	4,306,346	28	60	83	152,789	71,772	51,883
1914 .....	3,821,739	209†	44	50	18,286	86,857	76,434
1915 .....	3,434,891	18	33	33	190,827	104,087	104,087
1916 .....	4,638,604	20	51	34	232,430	91,149	136,723
1917 .....	4,863,414	24	62	39	202,642	78,442	124,703
1918 .....	6,148,620	22	60	77	279,483	102,477	79,860
1919 .....	5,022,412	21	56	64	239,162	89,685	93,008
1920 .....	6,908,923	29	53	38	238,733	130,371	181,814
1921 .....	5,937,195	21	64	25	282,721	92,769	237,488
1922 .....	5,976,432	35	38	35	170,755	157,274	170,755
1923 .....	6,866,923	22	44	10	312,133	156,066	686,692
1924 .....	5,203,713	21	42	40	247,796	123,898	130,093
1925 .....	5,883,394	30	59	56	196,113	99,718	105,060
1926 .....	6,508,908	39	67	119	166,398	97,148	54,696
1927 .....	6,936,780	26	76	115	266,799	91,273	60,320
1928 .....	7,334,179	28	71	122	261,935	103,298	60,166
1929 .....	7,147,250	31	69	98	230,556	103,583	72,931
Total .....	112,366,467	762	1,169	1,208	147,462	96,122	93,019

\*Including thirty-one deaths caused by the Bellevue Explosion.

†Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

Accidents during 1929, classified according to the Coal Field in which they occurred:

Domestic .....	3,385,749	13	42	54	260,442	80,613	62,699
Sub-Bituminous .....	668,108	4	5	6	167,027	133,621	111,351
Bituminous .....	3,093,393	14	22	38	220,957	140,609	81,405

## THE MINES BRANCH

Number of tons produced per accident:

## DOMESTIC COAL MINES

Area	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley .....	3,344	14	.....	.....	.....	.....
Big Valley .....	4,622	12	.....	.....	.....	.....
Brooks .....	6,633	10	.....	.....	.....	.....
Camrose .....	41,107	58	.....	.....	20,553	20,553
Carbon .....	111,308	189	111,308	55,654	111,308	37,103
Castor .....	31,583	68	.....	.....	31,583	31,583
Champion .....	10,498	21	.....	10,498	10,498	5,249
Drumheller .....	1,574,766	2,129	197,196	65,615	65,615	28,121
Edmonton .....	476,702	623	476,702	119,175	31,780	23,835
Gleichen .....	2,844	7	.....	.....	.....	.....
Halcourt .....	475	2	.....	.....	.....	.....
Lethbridge .....	731,149	1,393	731,149	81,239	182,787	52,225
Magrath .....	910	4	.....	.....	.....	.....
Milk River .....	829	2	.....	.....	.....	.....
Pakowki .....	1,735	3	.....	.....	.....	.....
Pembina .....	162,271	170	.....	162,271	81,135	54,090
Redcliff .....	27,283	41	27,283	27,283	5,456	3,897
Sheerness .....	20,440	36	.....	.....	.....	.....
Taber .....	22,173	41	.....	.....	.....	.....
Tofield .....	155,059	110	.....	.....	.....	.....
Wetaskiwin .....	18	2	.....	.....	.....	.....
Whitecourt .....	.....	2	.....	.....	.....	.....
Total.....	3,385,749	4,937	1,543,638	521,735	540,715	256,656

## SUB-BITUMINOUS COAL MINES

Coalspur .....	565,991	551	188,663	188,663	141,497	56,599
Pekisko .....	4,493	8	.....	.....	.....	.....
Pincher .....	1,823	7	.....	.....	.....	.....
Prairie Creek .....	6,715	40	.....	6,715	.....	6,715
Saunders .....	89,088	142	89,088	89,088	24,544	22,272
Total.....	668,108	748	277,751	284,466	166,041	85,586

## BITUMINOUS COAL MINES

Cascade .....	299,428	346	149,714	74,857	149,714	37,428
Crow's Nest East .....	943,850	1,028	188,770	235,962	188,770	67,417
Crow's Nest West .....	609,116	1,226	304,558	121,823	60,912	32,840
Mountain Park .....	993,404	913	198,681	198,681	49,670	33,113
Nordegg .....	247,595	367	.....	61,899	.....	61,899
Total.....	3,093,393	3,880	841,723	693,222	349,066	232,697

Classification of Accidents according to outputs of mines which produced during the year 1929:

	Under 1,000 tons	1,000 to 5,000	5,000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 200,000	200,000 to 300,000	300,000 to 400,000	Over 400,000	Total
Fatal .....	1	1	.....	3	4	8	8	3	4	21
Serious .....	1	1	2	9	8	18	18	9	3	69
Slight .....	2	3	.....	14	17	20	13	10	19	98
Total.....	3	5	2	26	29	46	39	22	26	198

Number of tons of coal extracted per accident in mines which produced during the year 1929:

	Under 1,000 tons	1,000 to 5,000	5,000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 200,000	200,000 to 300,000	300,000 to 400,000	Over 400,000	Total
Fatal .....	120,123	120,123	.....	215,864	247,191	199,449	268,644	331,598	124,719	230,556
Serious .....	52,383	120,123	50,288	71,888	123,596	88,644	119,397	110,532	166,192	103,583
Slight .....	26,196	40,041	.....	46,214	58,163	79,779	165,319	99,479	26,257	72,931
Total.....	17,461	20,024	50,288	24,884	34,440	34,687	55,107	45,218	15,341	36,097

## FATAL ACCIDENTS

Wm. Clark, Driver, January 4th, in the mine operated by the Rosedale Coal Co., Ltd., Rosedale, near Drumheller, caused through a fall of rock. He was driving a horse hauling a trip of empty cars on No. 11 Entry, sitting in the first car. This car became derailed, knocking out a bridge stick, causing a cave. He was struck by a large piece of rock, causing a double fracture of the spinal column, death being instantaneous.

Dominic Tonel, Miner, January 9th, in the mine operated by the Luscar Collieries, Ltd., Luscar, caused through a fall of coal. He was working in 19 Flat 2nd West, splitting a pillar, his partner being on the entry, when a cave of coal occurred burying him. He was dead when found, having been suffocated by fine coal.

Jozsefne Urszuly, Machine man's helper, January 14th, in the mine operated by the J. D. Thomas Coal Company, Nacmine, near Drumheller, caused through his being electrocuted. He was disconnecting the trailing cable plugs from the main line, when, in some manner, his hand came in contact with the live wires causing a short circuit through body to the rail, on which he was standing. He was dead when found.

Paul Kazinski, Miner, February 8th, in the mine operated by the Alexo Coal Co., Ltd., at Alexo, caused through a fall of rock. He was working in the longwall face, loading coal, when a large piece of rock fell from the roof onto his legs. He received a compound fracture tibia and fibula of left leg, fracture of femur close to joint right leg, wound and hematoma left side with multiple scalp wounds. He died in the hospital at Nordegg the following morning.

Mike Volf, Miner, February 12th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., near Coleman, caused through a fall of rock. He was working in 96 pillar, No. 3 Level, when a fall of rock occurred. In attempting to escape he was struck by the rock which cut off his right arm between shoulder and elbow, also injuries to head and neck. He died in the Coleman Hospital, about 8 hours later, from shock as a result of his injuries.

Cecil Rees, Miner, March 2nd, in the mine operated by the Hillcrest Collieries, Ltd., at Hillcrest, caused through a fall of coal. He was taking down coal in No. 011 pillar, 3rd South, when a large piece of coal fell from a slip in the face, striking him on the back. Back bruised with skin abrasions, no fractures. He died from shock about 12 hours later.

William James Powell, Brakeman, March 21st, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, caused through being crushed between loaded cars. He was riding on the front end of a trip of loaded cars, which he was going to couple onto some cars being pushed by a compressed air locomotive, when the cars bumped and he was crushed. Ribs and skull fractured, from the effects of which he died two days later.

George C. Clarke, Miner, April 11th, in the mine operated by the Foothills Collieries, Limited, Foothills, caused through his falling front of a moving car. He was uncoupling the hoisting rope from a car which had been hoisted up the back slope. The pin apparently stuck, and he was endeavouring to pull same out, when he slipped and fell in front of the car which doubled him up and pushed him along the ground, crushing him and injuring his back, with possible internal injuries. He died in the Royal Alexandra Hospital, Edmonton, on May 23rd, from the effects of the injuries received.

Werner Jacobson, Mucker in Sinking Shaft, May 11th, in the mine operated by the Cadomin Coal Co., Ltd., at Cadomin, caused through his being struck by the bucket. He was working at the bottom of the sinking shaft loading rock; a bucket filled with rock had been hoisted to the surface when the bail broke, allowing the bucket to fall to the bottom of the shaft. He was struck by falling rock and timber. Right ankle badly crushed, pelvis injured, left foot lacerated. He died in the hospital about 8 hours later from shock and loss of blood.

John Harrison, Miner, May 27th, in the mine operated by the Canmore Coal Co., Ltd., at Canmore, caused through his being struck by a compressed air locomotive. He was walking on the main entry at quitting time, when a compressed air locomotive hauling a trip of loaded cars

came up behind him knocking him down and dragging him under the locomotive, crushing him and causing instant death.

William Wilson, Miner, May 28th, in the mine operated by the International Coal & Coke Co., Ltd., at Coleman, caused through his being struck by a fall of rock. He, along with his partner, was working in No. 165 pillar when a fall of rock occurred, knocking him down and burying him. He was dead when taken out six hours later. His partner was not struck by the cave.

Edward Richards, Examiner, June 16th, in the mine operated by the J. D. Thomas Coal Co., at Nacmine, near Drumheller, caused through being struck by a fall of rock. He was putting up ventilation tubing, in a crosscut at the face of No. 5 South entry, when a large piece of rock fell from the roof onto him. Fracture of pelvis left side, lumbar vertebrae and left femur with internal injuries, causing instant death.

Swan Hagglund, Miner, June 21st, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, caused through a fall of coal and rock. He was working at cleaning up No. 129 raise and knocked out a post, standing alongside same, when about 3,000 lbs. of rock and coal fell on top of him, breaking his neck, killing him instantly.

George Popp, Driver, June 28th, in the mine operated by Coal Producers, Ltd., at Coalhurst, caused through his being crushed between a car and prop. He was driving a horse hauling a trip of loaded cars onto 18 Butt West entry when the first car split the switch and went into the slant, the horse continuing on the Butt. Popp endeavored to stop the cars, which became derailed and crushed him against a prop. Internal injuries, from the effects of which he died on June 30th.

Thomas S. Lycan, Dinkey Engineer, June 28th, at the mine operated by the Coal Valley Mining Co., Ltd., at Coal Valley, caused through his being struck by runaway cars. He was operating a Dinkey Locomotive hauling cars in the stripping pit, when a trip of cars which were being hauled out of the pit broke away and ran down the grade. He was endeavoring to get away when he was struck by the runaway cars and crushed, causing instant death.

Thomas W. Milligan, Pumpman, July 6th, in the mine operated by the Cadomin Coal Co., Ltd., at Cadomin, caused through his falling in the shaft. He had gone down the shaft to the pump station, located 450 feet from the surface, and in some manner fell to a platform 100 feet lower; he must have gone over or through the fence. His skull was fractured, also numerous other bones broken, he being dead when found.

Edward Lopchuk, Miner, August 13th, in the mine operated by Evan N. Richards, at White Mud Creek, near Edmonton, caused through being struck by a runaway car. He was switching a mine car at the foot of the slope, when a car, being hoisted on the slope, broke loose, and running back down the slope struck him, breaking his leg below the knee and fracturing his pelvis. He died from the effects of his injuries in the hospital on August 18th, 1929.

William Fairley, Miner, August 15th, in the mine operated by the Hillcrest Collieries, Ltd., at Hillcrest, caused through his being struck by falling coal. He was shearing coal at the face of 783 room when a large piece of coal fell from the face, knocking him down. Head crushed, neck broken, right shoulder and femur fractured, causing instant death.

Nick Citulski, Machine boss, August 23rd, in the mine operated by the Rosedale Coal Co., Ltd., at Rosedale, caused through a fall of rock. He was standing on the side of the track waiting for a loaded trip to pass when a car became derailed, knocking out three sets of timber, causing a cave. He was struck on the head and shoulders by the falling rock and buried by same, causing a broken neck and suffocation, being dead when taken out.

Ernest Mallabone, Miner, September 24th, in the mine operated by the Canmore Coal Co., Ltd., at Canmore, caused through his being crushed by a loaded car. His partner had taken out a loaded car, when the car Mallabone was loading started to move, and to prevent it running onto his partner he stepped in front of the car. In doing so he slipped and fell in front of and under the car. Leg broken and internal injuries, from the effects of which he died in the hospital in Calgary on October 5th, 1929.

Joseph McFadzen, Tippleman, September 30th, at the mine operated by the Redcliff Brick & Coal Co., Ltd., at Redcliff. He was showing two visitors around the plant, and had gone to the store-house to distribute black powder when a keg containing 20 lbs. of powder became ignited and he was burned from below the knees to the hips, also about his face, neck and hands. He died from the effects of his injuries on October 3rd, 1929. The other men received slight burns to face, neck and hands.

John Lewis, Miner, October 5th, in the mine operated by the Newcastle Junior Mining Co., Ltd., at Drumheller, caused through a fall of rock. He had fired a shot in the face of a crosscut and was loading coal when a fall of rock occurred, breaking one set of timber and swinging another out. The rock fell onto him, knocking him to the floor. Fracture of femur and ribs right side, eighth rib left side pushed in, head bruised, chest crushed and internal injuries, causing instant death.

Sam Belick, Miner, October 7th, in the mine operated by the Jewel Collieries, Ltd., at Wayne, caused through a fall of rock. He was loading coal at the face of No. 50 room 6 West Entry when a piece of rock fell from the roof striking him on the shoulders and head. Bruised behind left ear, dislocation of 7th cervical vertebrae, and severe shock, from the effects of which he died in the hospital about 22 hours later.

Vilmus Lakatos, Laborer, October 11th, in the mine operated by Jos. H. Oliphant, near Carbon, caused through a fall of rock. He was working along with another miner at the face of No. 1 room 1st West Entry when a large piece of rock fell from the roof striking him and knocking him down and burying him, and jamming the other man's leg. Lakatos was dead when taken from under the rock, the other man being bruised about leg and shoulders.

Felix Druart, Miner, October 17th, in the mine operated by the McLeod River Collieries, Ltd., at Mercoal, caused through his being struck by a prop. He was working at the lower end of the longwall face, the pitch being 32 degrees; the coal-cutting machine was being lowered from the upper end when the anchor post broke, allowing the machine to drop. The safety rope was attached to a small hoist at right angles to the face, the rope passing through a pulley attached to the anchor post. When the post broke it allowed the machine to drop some distance before the slack was taken up, thus causing the rope to break and allowing the machine to drop to the bottom of the wall. In doing so it knocked out a prop, which struck Druart. His right leg was fractured below the knee and back sprained, also considerable shock, from the effects of which he died in the hospital on October 30th, 1929.

Joseph D. Thomas, Mine Operator, October 19th, at the mine operated by the J. D. Thomas Coal Co., at Nacmine, near Drumheller, caused through coming into contact with high tension electric current. A fuse on the transformer had burst and was burning. It would appear that he endeavored to dislodge the fuse, using an iron pipe, which came in contact with high tension current (13,000 volts), and was electrocuted, his right hand and left foot being burnt.

J. W. Stewart, Timberman, and Russell McGrath, Assistant Timberman, November 13th, in the mine operated by the Cadomin Coal Co., Ltd., at Cadomin, caused through a premature ignition of dynamite. These men were working in the west drift from the air shaft, in the shaft workings, when an explosion occurred. It is thought that some dynamite, which had been left lying on the side of the drift, was struck by a pick or shovel being used by either one of them, causing the explosion. Stewart was thrown about 40 feet and instantly killed. McGrath received injuries from which he died about five hours later, three other men being slightly burned and bruised.

Alex. Patruk, Brakeman, November 25th, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, caused through being crushed between a compressed air locomotive and the side of gangway. He was riding on the front end of the locomotive, on 7 gangway, when he apparently stood up, and either slipped or struck his head against a cross brace timber, falling to the lower side between the locomotive and side of gangway. He was badly crushed, causing practically instant death.

Thomas Campbell, Miner, December 18th, in the mine operated by the Western Gem Coal Co., Ltd., Drumheller, caused through his being

crushed between a car and prop. He was sitting at the entrance to No. 6 room when a trip of empty cars was being hauled along the entry by a horse. The first car split the switch and ran into the room, the horse continuing on the entry, pulling the car off the track, and jamming him (Campbell) against a prop. Upper wall of chest crushed, causing internal injuries, from which he died instantly. He had been warned about sitting at that point on previous occasions.

Martin Mehalski, Miner, December 18th, in the mine operated by the Hy-Grade Coal Co. of Drumheller, Ltd., at Drumheller, caused through being crushed by a fall of rock. He was squaring up the right hand side of his place, which had broken through onto an old room, when a large slab of cap rock fell from the roof, knocking him down and breaking his neck, causing instant death.

In addition to the above the following death occurred from injuries received in 1928:

A. Pavan, Miner, November 15, 1928, in the mine operated by Coal Producers, Ltd., at Coalhurst, near Lethbridge, caused through a fall of rock. He was working at the face of 5th Butt East, off the South East Entry, when a fall of coal from the face occurred, knocking him down. Fractured femur. He died in hospital in Calgary on February 19th, 1929, from shock following an operation necessitated by the accident.

Accidents as they occurred by months during the year 1929:

Months	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January .....		1		1	3	5	15	23	24
February .....		2	1	3	2	9	8	19	22
March .....			1	1	2	2	5	9	10
April .....					1	8	1	10	10
May .....			1	1	3	6	4	13	14
June .....	1			1	3	4	1	8	9
July .....					1	5	4	10	10
August .....		1	1	2	3	1	16	20	22
September .....	1		5	6	1	5	8	14	20
October .....	1	1	2	4	4	7	5	16	20
November .....			1	1	3	7	9	19	20
December .....		1	1	2	2	4	9	15	17
Total.....	3	6	13	22	28	63	85	176	198

Accidents occurring in the Province above and below ground during the year 1929:

Cause	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage .....	1		1	2	8	28	20	56	58
Falls of Rock .....					10	17	10	37	37
Falls of Coal .....					3	6	12	21	21
Falls of Coal and Rock .....					1	1		2	2
Timbering .....					1		6	7	7
Ignitions of gas .....						1	3	4	4
Shot-firing .....					2	2	19	23	23
Explosives .....	1		2	3					3
Shaft Accidents .....					2	2		4	4
Electricity .....	1			1	1			1	2
Coal-cutting machy....					1	2	5	8	8
Loading Coal .....						1	8	9	9
Tipple Mch., etc. ....		5	1	6					6
Miscellaneous .....		1	9	10		2	2	4	14
Total.....	3	6	13	22	28	63	85	176	198

## THE MINES BRANCH

Accidents occurring in the Province above and below ground for the year 1929, classified according to the area in which they occurred:

Area	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Camrose .....							2	2	2
Carbon .....					1	2	1	4	4
Cascade .....		1	1	2	2	3	1	6	8
Castor .....							1	1	1
Champion .....						1	1	2	2
Coalspur .....	1	2	1	4	2	1	3	6	10
Crow's Nest (East) ..					5	4	5	14	14
Crow's Nest (West) ..			1	1	2	5	10	17	18
Drumheller .....	1	1	3	5	8	23	20	51	56
Edmonton .....		1	2	3	1	3	13	17	20
Lethbridge .....			1	1	1	9	3	13	14
Mountain Park .....			2	2	5	5	18	28	30
Nordegg .....						4		4	4
Pembina .....						1	2	3	3
Prairie Creek .....		1		1					1
Redcliff .....	1		2	3		1	3	4	7
Saunders .....					1	1	2	4	4
Total.....	3	6	13	22	28	63	85	176	198



## Classification of Accidents according to the Coal Fields in which they occurred:

## DOMESTIC

Cause	Above Ground			Below Ground			Total Above and Below Ground
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope Haulage, struck by runaway cars at foot of slope.....				1			1
Rope Haulage, crushed while coupling cars.....					1		1
Electric battery locomotive haulage, fell in front of trip.....						1	1
Electric battery locomotive haulage, crushed between cars and side of entry.....							
Horse Haulage, crushed between derailed car and timber.....					1		1
Horse Haulage, hand crushed between car and rock.....				2	3		5
Horse Haulage, kicked by horse.....					1		1
Horse Haulage, fell under car.....					3		3
Horse Haulage, crushed between horse and car.....					1		1
Horse Haulage, crushed between car and trip.....					1		1
Horse Haulage, foot caught between car and track.....					1		1
Horse Haulage, leg caught between car and tail chain.....					1		1
Horse Haulage, crushed between car and side of road.....					1		1
Horse Haulage, knocked down by horse.....					1		1
Manual Haulage, foot slipped, fell against car.....			1				1
Manual Haulage, slipped when turning corner, crushed between car and coal.....						2	2
Manual Haulage, slipped when lifting car, causing strain.....						1	1
Manual Haulage, car wheels passed over hand.....						4	4
Manual Haulage, arm caught between car and prop.....					1		1
Manual Haulage, leg caught between cars.....					1		1
Manual Haulage, fingers caught between car and rail.....					1		1
Fall of rock on face of entry.....					1		1
Fall of rock at face of entry.....				2			2
Fall of rock at face of room.....				3	5	6	14
Fall of rock in room.....							
Fall of rock in crosscut.....				2			2
Fall of rock in pillar workings.....					1		1
Fall of rock at bottom of airshaft.....					3		3
Fall of rock while timbering.....							
Fall of rock and coal at face of crosscut.....					1		1
Fall of coal at face of entry.....							
Fall of coal at face of room.....					3	4	7
Fall of rock in pillar workings.....					1		1
Timbering, axe slipped, cutting hand.....						2	2
Timbering, hammer slipped and struck hand.....						4	4
Timbering, struck by prop when erecting same.....						1	1
Ignitions of gas, by open light.....						1	1
Shot-firing, went back too soon after firing.....					1	2	3
Shot-firing, struck by flying coal from shot.....						1	1
Shot-firing, premature ignition of detonator.....					1		1

## DOMESTIC—(Continued)

Cause	Above Ground				Below Ground			Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	
Shaft accidents, struck by piece of rock falling down shaft.....								1
Electricity, coming in contact with live wires.....	1			1		1		1
Electric coal-cutting machinery, jammed by machine.....							4	5
Electric coal-cutting machinery, struck by timber displaced by machine.....						1		1
Electric coal-cutting machinery, foot caught between chain and sprocket.....								1
Loading coal, piece of coal fell onto foot.....							1	1
Loading coal, piece of coal crushed hand.....							3	3
Loading coal, car dropped over end of track.....						1	2	2
Loading coal, slipped off bench, ankle broken.....								1
Ignition of powder in distributing house.....	1		2	3			1	1
Tipple accident, slipped on rail.....			1	1				1
Tipple accident, arm caught in belt.....		1		1				1
Miscellaneous, bar of iron fell on foot.....								1
Miscellaneous, chopping timber, eye struck by chip.....								1
Miscellaneous, hand caught in circular saw.....								1
Miscellaneous, hand caught in circular saw.....								1
Miscellaneous, hand crushed by rock on side of road.....								1
Fell off R.R. car.....		1		1				1
Total.....	2	2	8	12	11	40	46	109

## SUB-BITUMINOUS

Cause	Above Ground				Below Ground			Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	
Rope Haulage, foot caught between rope and bull wheel.....							1	1
Rope Haulage, uncoupling rope, fell in front of car.....								1
Rope Haulage, thrown off runaway trip of cars.....							1	1
Horse Haulage, crushed between car and side of entry.....							1	1
Locomotive Haulage, struck by runaway trip in stripping pit.....	1			1				1
Fall of rock on longwall face.....						1		1
Fall of rock at face of slope.....								1
Fall of coal at face of room.....						1		1
Fell off staging when mining coal.....							1	1
Ignition of gas by open light.....								1
Electric coal-cutting, struck by prop displaced by machine.....		1		1				1
Fell off tippie when constructing same.....		1		1				1
Struck by car when dumping on tippie.....		1		1				1
Struck by piece of coal falling off tippie.....								1
Carrying R. R. tie which fell onto foot.....			1	1				1
Total.....	1	3	1	5	3	2	5	15







## LIST OF PROSECUTIONS UNDER THE MINES ACT DURING 1929

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Lund, Nelson & Hagblad.....	Overman .....	Failed when making inspection to chalk initials at working face .....	Convicted .....	Fined \$5.00 .....	\$5.25
Long Flame Coal Co.....	Overman .....	Making false returns on Form B re payment of wages .....	Convicted .....	Fined \$5.00 and costs or 30 days .....	9.20
Bighorn & Saunders Creek Collieries, Ltd. ....	Mine manager .....	Working miners at face without certificates, Sept. 5, Dec. 13, 1928 .....	Convicted .....	\$50.00 or 2 months' hard labor .....	2.50
Bighorn & Saunders Creek Collieries, Ltd. ....	Mine manager .....	Working miners at face without certificates, Sept. 18, Dec. 13, 1928 .....	Convicted .....	\$50.00 or 2 months' hard labor .....	2.50
International Coal & Coke Co., Ltd. ....	Timberman's helper .....	Did have in mine where safety lamps are required one lucifer match in contravention to Act.....	Convicted .....	Fined \$5.00 .....	11.25
Alexo Coal Co., Ltd. ....	Miner .....	Made false declaration at examination for miner's certificate .....	Convicted .....	\$10.00 and costs or 60 days' hard labor .....	8.60
Hillcrest Collieries, Ltd. ....	Mine carpenter .....	Riding on trip of loaded cars without permission of manager .....	Convicted .....	Fined costs of court.....	5.25
Arcadia Coal Co., Ltd. ....	Overman .....	Gave no notice of intention to introduce apparatus into mine .....	Convicted .....	Fined \$10.00 .....	4.55
Edward Oliver .....	Miner .....	Went to work without inspection of places having been made and reported safe .....	Convicted .....	.....	.....
Edward Oliver .....	Owner .....	Went to work without the workings having been inspected and reported safe .....	Convicted .....	Fined \$10.00 .....	5.00
Edward Oliver .....	Helper .....	Went to work before working places had been inspected and reported safe .....	Convicted .....	.....	2.00
E. Howard .....	Owner .....	Failed to have overman in charge .....	Convicted .....	Fined \$5.00 .....	4.00
West Canadian Collieries, Ltd. (Bellevue) .....	Miner .....	Jumped off man trip while in motion in contravention of The Mines Act .....	Convicted .....	Fined \$25.00 or 60 days' hard labor .....	11.25
Mountain Park Collieries, Ltd. ....	Miner .....	Removed an accumulation of gas from face of 51 room without a person holding a certificate supervising .....	Convicted .....	Fined \$5.00 .....	4.00
Mountain Park Collieries, Ltd. ....	Bratticeman .....	Removed an accumulation of gas from face of 51 room without a person holding a certificate supervising .....	Convicted .....	Fined \$5.00 .....	4.00
West Canadian Collieries, Ltd. (Greenhill) .....	Miner .....	Travelled on main haulage road while a trip of loaded cars was in motion on endless rope .....	Convicted .....	Fined \$5.00 or 30 days' and also costs .....	5.45
McGillivray Creek Coal & Coke Co., Ltd. ....	Miner .....	In a mine requiring safety lamps, did fail to bring out explosives at end of shift to place of storage outside .....	Convicted .....	Fined \$1.00 .....	3.40

McGillivray Creek Coal & Coke Co., Ltd.	Miner	In a mine requiring safety lamps, did fail to bring out explosives at end of shift to place of storage outside	Convicted	Fined \$1.00	\$ 3.40
West Canadian Collieries, Ltd. (Greenhill)	Overman	Had more than 5 lbs. explosive at one time in one place, contrary to Act	Convicted	Fined \$100.00 and costs	27.65
West Canadian Collieries, Ltd. (Greenhill)	Examiner	Did use in shot-holes 25 ounces of explosive, contrary to The Mines Act	Convicted	Fined \$50.00 and costs	4.50
West Canadian Collieries, Ltd. (Greenhill)	Examiner	Did fail to keep detonator in a secure case separate from other explosive before time detonator was to be used	Convicted	Fined \$50.00 and costs	3.00
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Storing explosives in a mine	Convicted	Fined \$50.00 and costs	3.00
West Canadian Collieries, Ltd. (Greenhill Mines)	Miner	Storing explosives in a mine	Convicted	Fined \$50.00 and costs	3.00
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Did have at one time at one place in a mine more than one canister of explosive	Convicted	Costs of Court	2.50
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Did have at one time at one place in a mine more than one canister of explosive	Convicted	Costs of Court	2.50
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Storing explosives in a mine	Convicted	Fined \$50.00 and costs	3.00
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Storing explosives in a mine	Convicted	Fined \$50.00 and costs	3.00
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Entering mine before 3:30 p.m., time fixed for that purpose	Convicted	Fined \$1.00 and costs	2.50
West Canadian Collieries, Ltd. (Greenhill Mine)	Miner	Entering mine before 3:30 p.m., time fixed for that purpose	Convicted	Fined \$1.00 and costs	2.50
H. Walet	Operator	Operated mine without giving notice, without overman in charge, and neglected to fence entrance of mine, Aug. 28, 1929	Convicted	Fined \$12.75 or 30 days in prison	9.90
J. H. Oliphant	Operator	Employed person at working face without certificate as miner	Convicted	Fined \$5.00 or 30 days	3.75
West Canadian Collieries, Ltd. (Bellevue)	Tramman	Rode on locomotive without permission of manager	Convicted	Fined \$15.00 and costs or 6 weeks	6.25
West Canadian Collieries, Ltd. (Bellevue)	Chute loader	Rode on locomotive without permission of manager	Convicted	Fined \$15.00 and costs or 6 weeks	6.25
Henry Denboer	Operator	Operated mine without having overman in charge	Convicted	Fined \$5.00 or 10 days hard labor	13.00
West Canadian Collieries, Ltd. (Greenhill)	Miner	Did have in his possession one lucifer match	Convicted	Costs, or 7 days' imprisonment	3.00
West Canadian Collieries, Ltd. (Greenhill)	Timber packer	Did have in his possession two lucifer matches	Convicted	Fined \$5.00 and costs or 30 days' imprisonment	6.25





Number of Mines opened, abandoned, and re-opened according to Areas and Kind of Coal, during the year:

Area	Number	Character of Coal	No. of Mines in operation Dec. 31, 1929	Mines opened during year	Mines re-opened during year	Mines closed but not abandoned	Mines abandoned during year	Name and Address of District Inspector of Mines
Ardley .....	1	Domestic .....	10	1	5	3	...	B. Nugent, 1 Camrose, Alta. Tele. No. 72.
Big Valley .....	2	Domestic .....	6	...	...	1	...	
Camrose .....	5	Domestic .....	5	...	...	1	...	
Carbon .....	6	Domestic .....	21	3	1	...	1	
Castor .....	8	Domestic .....	34	4	4	7	4	
Edmonton .....	15	Domestic .....	29	2	...	...	1	
Halcourt .....	13	Domestic .....	1	...	...	1	...	
Tofield .....	42	Domestic .....	4	...	...	1	...	
Wetaskiwin .....	45	Domestic .....	...	1	1	2	...	
Whitecourt .....	46	Domestic .....	...	...	...	...	1	
No Area .....	...	Domestic .....	...	...	...	1	...	
Brocks .....	3	Domestic .....	2	...	1	...	...	J. B. deHert, Lethbridge, Alta. Tele. No. 3325.
Champion .....	9	Domestic .....	9	1	...	...	...	
Lethbridge .....	20	Domestic .....	16	...	2	3	1	
Magrath .....	21	Domestic .....	2	1	...	...	...	
Milk River .....	22	Domestic .....	3	2	...	1	...	
Pakowki .....	28	Domestic .....	5	1	...	1	...	
Pekisko .....	30	Sub-Bituminous .....	4	3	2	2	...	
Redcliff .....	34	Domestic .....	2	...	...	...	...	
Taber .....	41	Domestic .....	11	1	2	1	3	
Coalspur .....	11	Sub-Bituminous .....	7	...	...	1	...	Thos. Horne, Edson, Alta., Tele. 35, Residence
Mountain Park .....	24	Bituminous .....	3	...	...	...	...	
Pembina .....	31	Domestic .....	3	...	...	...	...	
Prairie Creek .....	33	Sub-Bituminous .....	1	1	...	1	...	
West Crow's Nest .....	12	Bituminous .....	5	...	...	1	...	Moses Johnson, Blairmore, Alta. Tele. No. 70.
Cascade .....	7	Bituminous .....	2	...	...	...	...	W. G. Hecley, Blairmore, Alta. Tele. No. 70.
East Crow's Nest .....	13	Bituminous .....	6	...	...	...	...	
Nordegg .....	25	Bituminous .....	1	...	...	...	...	
Pincher .....	32	Sub-Bituminous .....	3	...	...	...	...	
Saunders .....	36	Sub-Bituminous .....	3	...	...	...	...	A. B. Hunter, Drumheller, Alta. Tele. No. 413.
Drumheller .....	14	Domestic .....	33	5	2	3	6	
Gleichen .....	17	Domestic .....	2	...	...	1	...	
Sheerness .....	38	Domestic .....	15	2	5	5	...	
Total .....			248	28	25	37	18	

In addition to the above, Mr. James A. Richards, 11009 89th Ave., Edmonton, is acting in the capacity of General District Inspector of Mines, Telephone No. 32662.

## THE MINES BRANCH

## BOARD OF EXAMINERS.

The constitution of the Board during the year 1929 was as follows:  
As representing:

- (a) The Mine Inspectorate:  
Andrew A. Millar, Chief Inspector of Mines.
- (b) Managers:  
Norman Fraser, Robert Livingstone.
- (c) Working Miners:  
William Lammie.  
Secretary: James A. Richards.

Examinations were held during the year as follows: For Third Class at Blairmore on May 7, 8, 9 and 10, at Canmore on May 8, at Edmonton and Lethbridge on May 7, 8 and 9, at Drumheller on May 7, 8, 9, 10 and 11, at Cadomin on May 7 and June 6, at Nordegg on June 6.

For First and Second Class on June 6, 7 and 8, at Blairmore, Cadomin, Drumheller, Edmonton and Lethbridge.

For Mine Surveyor at Blairmore, Lethbridge, Drumheller and Edmonton on June 8.

Twelve candidates presented themselves for examination for first class certificates, of whom only one was successful; fourteen candidates presented themselves for examination for second class certificates, of whom five were successful. Ninety candidates presented themselves for examination for third class certificates, of whom 51 were successful, and five candidates presented themselves for examination for Mine Surveyors' certificates, of whom only one was successful.

In addition to the above there were two applicants for second class examination and three for third class who failed to attend the examinations.

The following is a list of names of persons to whom Final Certificates of Competency under The Mines Act were granted during the year 1929:  
FIRST CLASS

Name	Address	Cert. No.	Date of Issue
Davidson, J. M. ....	Edmonton .....	75	23- 7-29

## SECOND CLASS

Burton, John T. ....	Edmonton .....	212	23- 7-29
Deere, G. E. ....	Foothills .....	214	23- 7-29
Harries, John .....	Wayne .....	213	23- 7-29
Morgan, Evan H. ....	Coleman .....	215	23- 7-29
Rolfe, E. ....	Hillcrest .....	211	23- 7-29
Whitehead, J. W. ....	Blairmore .....	216	23- 7-29

## THIRD CLASS

Armstrong, John .....	Castor .....	719	7- 6-29
Bevan, Walter .....	Canmore .....	721	7- 6-29
Boughton, C. A. ....	Rosedale .....	755	12-11-29
Colbourne, J. H. ....	Drumheller .....	710	1- 5-29
Currie, Robert .....	Canmore .....	715	7- 6-29
Christie, Joseph .....	Bellevue .....	731	17- 6-29
Clack, Robert W. ....	Drumheller .....	740	17- 6-29
Castella, Jens .....	Standard .....	743	5- 7-29
Davis, D. B. ....	Midlandvale .....	730	10- 6-29
Elkes, F. W. ....	Newcastle .....	724	7- 6-29
Evans, H. ....	Mountain Park .....	750	5- 9-29
Hadwell, A. J. ....	Bellevue .....	717	7- 6-29
Halbert, David .....	Trochu .....	723	7- 6-29
Hillary, H. ....	Bellevue .....	736	17- 6-29
Hulbert, H. A. ....	Coleman .....	747	23- 7-29
Fry, N. ....	Donalda .....	752	5- 9-29
Jubb, J. W. ....	Drumheller .....	708	1- 5-29
Krupper, A. ....	Drumheller .....	711	7- 6-29
King, Joseph .....	Coalhurst .....	726	7- 6-29
Kay, Walter S. ....	Drumheller .....	754	12-11-29
Lehmann, Max .....	Wayne .....	742	5- 7-29
Mayoh, Daniel .....	Drumheller .....	707	23- 3-29
Millar, Clifford C. ....	Bellevue .....	714	7- 6-29
Morris, David .....	Bellevue .....	720	7- 6-29
Mossom, John .....	Drumheller .....	734	17- 6-29
Meek, Fred G. ....	Heisler .....	737	17- 6-29
Morris, William .....	Cadomin .....	744	12- 7-29
Morris, Robert S. ....	Aerial .....	745	12- 7-29
McDonald, James W. ....	Mountain Park .....	709	1- 5-29
MacDonald, Leslie .....	Bellevue .....	713	7- 6-29
MacLeod, Lloyd .....	Coalhurst .....	725	7- 6-29
MacAllister-Thompson, D. S. B. ....	Rosedale .....	735	17- 6-29
McNab, Duncan .....	Lethbridge .....	739	17- 6-29
O'Neill, Michael .....	Nordegg .....	748	9- 8-29
Piper, John J. ....	Canmore .....	716	7- 6-29
Paton, George .....	Delburne .....	727	7- 6-29
Phillips, W. J. ....	Saunders .....	733	17- 6-29
Page, Joseph .....	Drumheller .....	741	19- 6-29
Rear, Albert E. ....	Corbin, B.C. ....	728	7- 6-29
Reid, William P. ....	Lethbridge .....	732	17- 6-29

## THE MINES BRANCH

## THIRD CLASS—(Continued)

Name	Address	Cert. No.	Date of Issue
Radford, J. H. ....	Heisler .....	738	17- 6-29
Rogers, Benjamin .....	Canmore .....	753	5-11-29
Smith, Peter .....	Coleman .....	718	7- 6-29
Scott, J. D. ....	Rosedale .....	722	7- 6-29
Snow, Percy E. ....	Lethbridge .....	729	7- 6-29
Strang, David .....	Mountain Park .....	746	23- 7-29
Shearer, J. C. ....	Rosedale .....	749	5- 9-29
Sherwood, Henry R. ....	Canmore .....	751	8- 8-29
Whitehead, J. W. ....	Lethbridge .....	712	7- 6-29

## MINE SURVEYORS

Gardner, H. H. ....	Coleman .....	180	23- 7-29
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